

Ways to keep it fun with Hyvä Themes





Topics



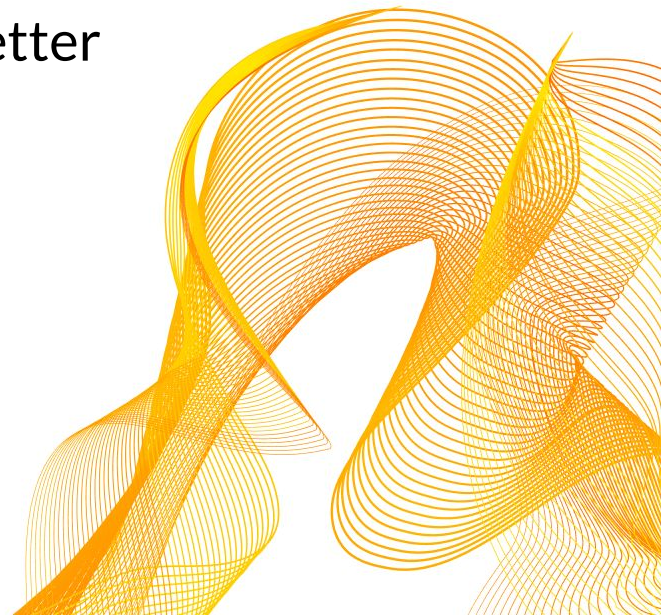
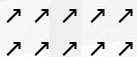
1. Tailwind CSS in theme inheritance



2. Optimizing Alpine JS components for better performance

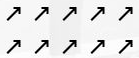


3. Common checkout solutions
(React Checkout and Luma Checkout)





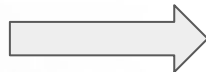
Tailwind CSS in theme inheritance





Node JS package

```
...  
|Vendor/  
|-theme1/  
|--web/  
|---tailwind/  
|----tailwind-source.css  
|----package.json  
|-theme2/  
|--web/  
|---tailwind/  
|----tailwind-source.css  
|----package.json  
...
```



```
...  
|Vendor/  
|-theme1/  
|--web/  
|---tailwind/  
|----tailwind-source.css  
|-theme2/  
|--web/  
|---tailwind/  
|----tailwind-source.css  
...  
|-package.json
```




Splitting configurations

web/tailwind/config/colors.js

```
module.exports = {  
  brand: {  
    lighter : "#b0a058",  
    "DEFAULT": "#857942",  
    darker  : "#574f2b"  
  },  
  grey: {  
    // ...  
  },  
  // ...  
}
```

↗ ↗ ↗ ↗ ↗

web/tailwind/tailwind-config.js

```
const colorsConfig = require('config/colors');  
// ...  
// inside a config:  
theme: {  
  extend: {  
    // ...  
    colors: {  
      ...colorsConfig  
    }  
  }  
}
```



Extending parent configuration

theme1/web/tailwind/tailwind-config.js

```
module.exports = {
  theme: {
    extend: {
      colors: {
        // ...
      },
      fontFamily: {
        // ...
      },
      // ...
    }
  },
  plugins: [/* ... */],
  content: [/* ... */]
}
```

theme2/web/tailwind/tailwind-config.js

```
const parentThemeConfig = require('../../../../theme1/web/tailwind/tailwind-config');
const parentExtend      = parentThemeConfig.theme.extend;
const parentContent     = parentThemeConfig.content;

module.exports = {
  ...parentThemeConfig,
  theme: {
    extend: {
      ...parentExtend,
      fontFamily: {
        // ...
      },
      // ...
    }
  },
  content: [
    // this will include external templates (if any) and current theme
    ...parentContent,
    // this will include parent theme content
    '../../../../theme1/**/*.phpml'
  ]
}
```

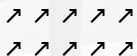


Using Tailwind CSS features

Refer to a theme if possible

```
/* usually */
.box {
  width: calc(100% - 16px);
}

/* better */
.box {
  width: calc(100% - theme['spacing[4]'])
}
```



Use layers for structure and specificity

```
/* usually */
.box {
  @apply p-4 rounded bg-white;
}

/* better */
@layer components {
  .box {
    @apply p-4 rounded bg-white;
  }
}
```



Useful tools for development

Official Prettier plugin

<https://github.com/tailwindlabs/prettier-plugin-tailwindcss>

VS Code IntelliSense

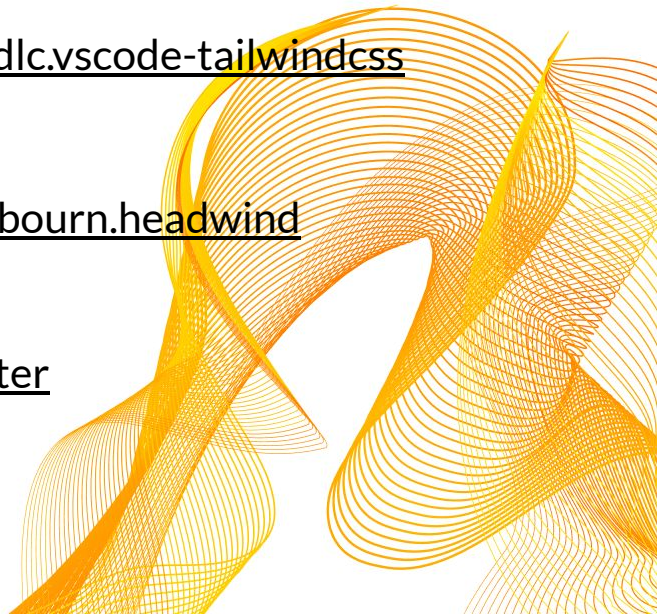
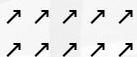
<https://marketplace.visualstudio.com/items?itemName=bradlc.vscode-tailwindcss>

VS Code Automatic class ordering

<https://marketplace.visualstudio.com/items?itemName=heybourn.headwind>

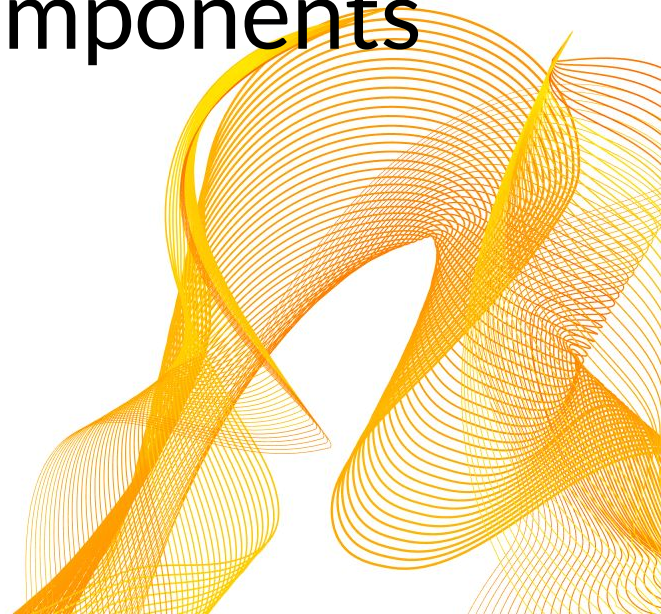
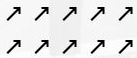
PHP Storm Tailwind CSS Formatter

<https://plugins.jetbrains.com/plugin/13376-tailwind-formatter>





Optimizing Alpine JS components for better performance





Avoid big chunks of data in properties

```
/* usually */
const MyComponent = function () {
  return {
    products: [
      {
        sku: 'sku1',
        id: '1234',
        // ...
      },
      {
        sku: 'sku2',
        id: '1235',
        // ...
      },
      // ...
    ],
    // ...
  }
}
```

```
/* better */
const MyComponent = function () {
  // private property
  let products = [
    {
      sku: 'sku1',
      id: '1234',
      // ...
    },
    {
      sku: 'sku2',
      id: '1235',
      // ...
    },
    // ...
  ];

  return {
    getProducts() {
      return products;
    },
    setProducts(value) {
      products = value;
    }
  }
}
```

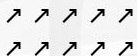
```
▼ Proxy {} ⓘ
  ► [[Handler]]: ae
  ▼ [[Target]]: Object
    ► [[Prototype]]: Object
    [[IsRevoked]]: false
```



Pre-render for lower CLS

```
<!-- usually -->
<!-- hidden until initialized -->
<div class="stock-status"
      x-text="isAvailable ? 'Available' : 'Not Available'"
      x-cloak
></div>

<!-- better -->
<!-- always visible -->
<div class="stock-status"
      x-text="isAvailable ? 'Available' : 'Not Available'"
>
  Loading...
</div>
```





Splitting the components

Alle Größen

Art.-Nr. >	Länge innen (mm) ^	Breite innen (mm) >	Höhe innen (mm) >	mehr Details	Stück pro VE >	Preis pro VE (€) *					Bestellmenge (Anzahl VE)	Merk- liste
	auswählen v	auswählen v	auswählen v			ab 1 VE	ab 2 VE	ab 4 VE	ab 8 VE	ab 16 VE		
260481	400	250	160	>>	20	17,71	15,78	15,34	15,04	14,89	- 0 +	
260759	400	330	160	>>	20	26,50	23,61	22,94	22,49	22,27	- 0 +	
199326	427	304	250	>>	20	60,18	39,31	35,19	34,50	34,16	- 0 +	
263859	430	350	315	>>	20	29,17	25,99	25,25	24,76	24,51	- 0 +	
266026	430	305	180	>>	20	23,20	20,67	20,09	19,69	19,50	- 0 +	
263860	440	345	320	>>	20	33,74	30,05	29,20	28,63	28,35	- 0 +	



Splitting the components

```
// regular way
const VariantsTable = function () {
  return {
    mode      : 'mobile',
    isLoading: true,
    // ... (more properties)
    addToCart(productId) {
      // ...
    },
    sortByColumn(columnCode) {
      // ...
    },
    // ... (more methods)
  }
}
```





Splitting the components

```
<script>
// splitting in a single component
const VariantsTable = function () {
  return {
    ...VariantsTableUi(),
    ...VariantsTableSorting(),
    ...VariantsTableCart(),
    ...VariantsTableWishList()
  }
}

const VariantsTableCart = function () {
  return {
    addToCart(productId) {
      // ...
    }
  }
}
</script>

<div x-data="VariantsTable()">
  <button x-on:click="addToCart('123')">
    Add To Cart
  </button>
</div>
```

```
<script>
// splitting in a tree of components
const VariantsTable = function () {
  return {
    ui      : VariantsTableUi(),
    sorting : VariantsTableSorting(),
    cart    : VariantsTableCart(),
    wishlist: VariantsTableWishList()
  }
}

const VariantsTableCart = function () {
  return {
    addToCart(productId) {
      // ...
    }
  }
}
</script>

<div x-data="VariantsTable()">
  <button x-on:click="cart.addToCart('123')">
    Add To Cart
  </button>
</div>
```



Create “lazy” components

- Replace `x-data`, `x-init`, `x-bind` with `x-lazy-data`, `x-lazy-init`, `x-lazy-bind`
- Create an intersection observer for such elements
- When intersecting - change attributes back and use one of the methods:

```
// Alpine JS v2
Alpine.initializeComponent(element)

// Alpine JS v3
Alpine.initTree(element)
```





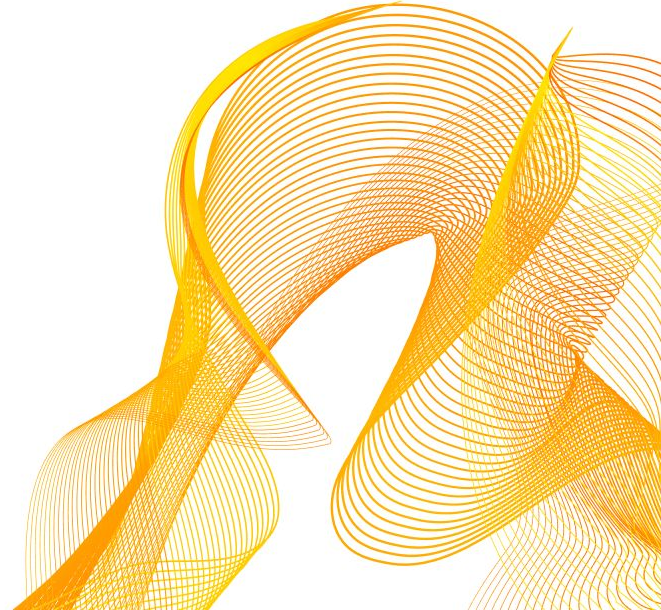
Don't forget about dev tools

Alpine JS dev tools for Google Chrome

<https://chrome.google.com/webstore/detail/alpinejs-devtools/fopaemeedckaiflibkpifppcankfmbhk>

Alpine JS dev tools for Firefox

<https://addons.mozilla.org/en-US/firefox/addon/alpinejs-devtools/>





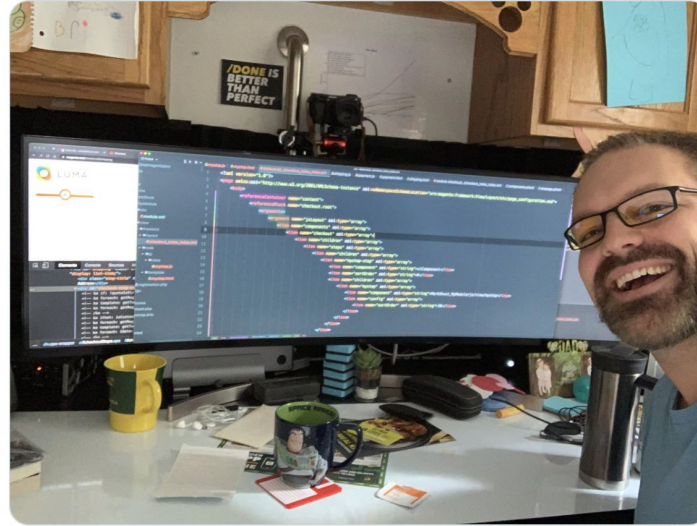
Common checkout solutions



Mark_Shust::learn.phtml ✓
@MarkShust

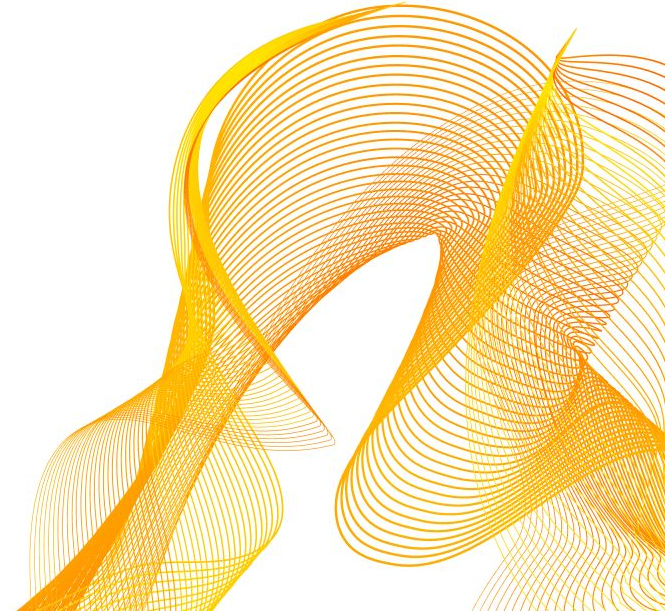
...

Now I know why I got a 49" ultrawide — to add a step to Magento's checkout process.



6:57 PM · Dec 7, 2021

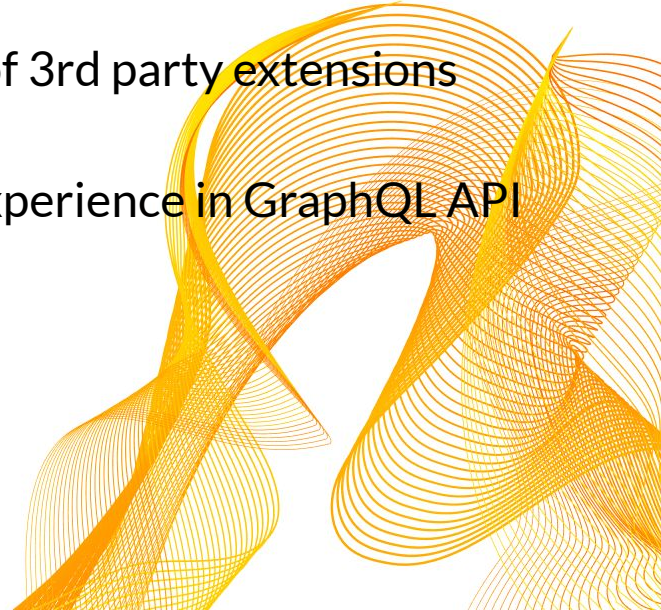
3 Retweets 1 Quote Tweet 84 Likes





React Checkout Pros & Cons

- + Works faster
- + Easier for building UI
- + Less complicated structure
- Takes more time to extend
- Poor base of 3rd party extensions
- Requires experience in GraphQL API





Luma Checkout & Procrastination

Tailwind CSS only

- Rewrite styles for Magento class names
- Rewrite templates with utility classes

Grunt + Less only

- Migrate theme variables
- Work with everything else as if there's no Hyva theme

Grunt + Less + Tailwind CSS

- A mix of both
- Unclear when to use what. Depends on the project and a reason of choosing this approach



It's time for your questions!



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