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# Themes

## Description

Customize the look of your app by writing your own custom theme

## Base

```
gradio.Base(...)
```

## Initialization

Parameter	Description
<div>primary_hue</div> <div>colors.Color   str</div> <div>default: Color()</div>	The primary hue of the theme. Load a preset, like <code>gradio.themes.colors.green</code> (or just the string "green"), or pass your own <code>gradio.themes.utils.Color</code> object.
<div>secondary_hue</div> <div>colors.Color   str</div> <div>default: Color()</div>	The secondary hue of the theme. Load a preset, like <code>gradio.themes.colors.green</code> (or just the string "green"), or pass your own <code>gradio.themes.utils.Color</code> object.
<div>neutral_hue</div> <div>colors.Color   str</div> <div>default: Color()</div>	The neutral hue of the theme, used . Load a preset, like <code>gradio.themes.colors.green</code> (or just the string "green"), or pass your own <code>gradio.themes.utils.Color</code> object.
<div>text_size</div> <div>sizes.Size   str</div> <div>default: Size()</div>	The size of the text. Load a preset, like <code>gradio.themes.sizes.text_sm</code> (or just the string "sm"), or pass your own <code>gradio.themes.utils.Size</code> object.

imeter	Description
<div>spacing_size</div> <div><i>sizes.Size</i>   <i>str</i></div> <div>default: Size()</div>	The size of the spacing. Load a preset, like <code>gradio.themes.sizes.spacing_sm</code> (or just the string "sm"), or pass your own <code>gradio.themes.utils.Size</code> object.
<div>radius_size</div> <div><i>sizes.Size</i>   <i>str</i></div> <div>default: Size()</div>	The radius size of corners. Load a preset, like <code>gradio.themes.sizes.radius_sm</code> (or just the string "sm"), or pass your own <code>gradio.themes.utils.Size</code> object.
<div>font</div> <div><i>fonts.Font</i>   <i>str</i>   <i>Iterable[fonts.Font   str]</i></div> <div>default: (&lt;gradio.themes.utils.fonts.GoogleFont (name='Source Sans Pro', weights=(400, 600))&gt;, 'ui-sans-serif', 'system-ui', 'sans- serif')</div>	The primary font to use for the theme. Pass a string for a system font, or a <code>gradio.themes.font.GoogleFont</code> object to load a font from Google Fonts. Pass a list of fonts for fallbacks.
<div>font_mono</div> <div><i>fonts.Font</i>   <i>str</i>   <i>Iterable[fonts.Font   str]</i></div> <div>default: (&lt;gradio.themes.utils.fonts.GoogleFont (name='IBM Plex Mono', weights=(400, 600))&gt;, 'ui-monospace', 'Consolas', 'monospace')</div>	The monospace font to use for the theme, applies to code. Pass a string for a system font, or a <code>gradio.themes.font.GoogleFont</code> object to load a font from Google Fonts. Pass a list of fonts for fallbacks.

Methods

Methods

push\_to\_hub

gradio.Base.push\_to\_hub(repo\_name, ...)

Description



Upload a theme to the HuggingFace hub. <br> This requires a HuggingFace account. <br>

## Agruments

Parameter	Description
<div>repo_name</div> <div>str</div> <div>required</div>	The name of the repository to store the theme assets, e.g. 'my_theme' or 'sunset'.
<div>org_name</div> <div>str   None</div> <div>default: None</div>	The name of the org to save the space in. If None (the default), the username corresponding to the logged in user, or hf_token is used.
<div>version</div> <div>str   None</div> <div>default: None</div>	A semantic version tag for theme. Bumping the version tag lets you publish updates to a theme without changing the look of applications that already loaded your theme.
<div>hf_token</div> <div>str   None</div> <div>default: None</div>	API token for your HuggingFace account
<div>theme_name</div> <div>str   None</div> <div>default: None</div>	Name for the name. If None, defaults to repo_name
<div>description</div> <div>str   None</div> <div>default: None</div>	A long form description to your theme.
<div>private</div> <div>bool</div> <div>default: False</div>	

from\_hub

```
gradio.Base.from_hub(repo_name, ...)
```



## Description

Load a theme from the hub. <br> This DOES NOT require a HuggingFace account for downloading publicly available themes. <br>

## Agruments

Parameter	Description
<div>repo_name</div> <div>str</div> <div><b>required</b></div>	string of the form <author>/<theme-name>@<semantic-version-expression>. If a semantic version expression is omitted, the latest version will be fetched.
<div>hf_token</div> <div>str   None</div> <div>default: None</div>	HuggingFace Token. Only needed to download private themes.

## load

```
gradio.Base.load(path, ...)
```

## Description

Load a theme from a json file. <br>

## Agruments

Parameter	Description
<div>path</div> <div>str</div> <div><b>required</b></div>	The filepath to read.

## dump

```
gradio.Base.dump(filename, ...)
```

## Description



Write the theme to a json file. <br>

## Agruments

Parameter	Description
<div>filename</div> <div><i>str</i></div> <div><i>required</i></div>	The path to write the theme too

## from\_dict

```
gradio.Base.from_dict(theme, ...)
```

## Description

Create a theme instance from a dictionary representation. <br>

## Agruments

Parameter	Description
<div>theme</div> <div><i>dict[str, dict[str, str]]</i></div> <div><i>required</i></div>	The dictionary representation of the theme.

## to\_dict

```
gradio.Base.to_dict(...)
```

## Description

Convert the theme into a python dictionary.

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