

# Converting Colors

Hex(2810B1)

Have a look what the booklet for  
Hex(2810B1) contains.

<b>Hex(2810B1)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(2810B1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2810B1
RGB	40, 16, 177
RGB Percent	16%, 6%, 69%
CMY	0.8431, 0.9373, 0.3059
CMYK	0.77, 0.91, 0.00, 0.31
HSL	249°, 83%, 38%
HSV	249°, 91%, 69%
XYZ	8.9962, 3.9960, 41.8921
YIQ	41.5300, -37.3770, 55.1590

# Conversions

## Conversions Part 2

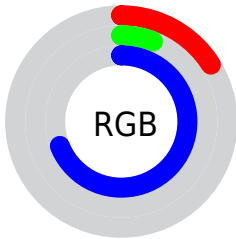
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 16, 177
Decimal	2625713
CIE <sub>Lab</sub>	23.66, 56.92, -77.09
CIE <sub>LCh</sub>	24, 95.826, 306.443
Yxy	3.9960, 0.1639, 0.0728
Android (android.graphics.Color)	4280815793 (0xFF2810B1)
YUV	41.5300, 66.7867, -1.3418
Hunter-Lab	19.9901, 45.3482, -110.2580

# Details

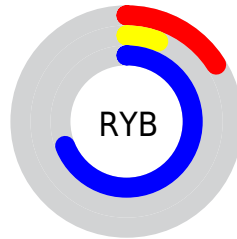
The Hex color **2810B1** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **99B110**, and the grayscale version is **292929**.

A 20% lighter version of the original color is **6F45EA**, and **00007B** is the 20% darker color. If you saturate the color by 10%, you get **1A00B1**, and if you desaturate by 10%, it is **3722B1**.

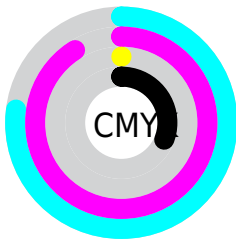
# Distribution



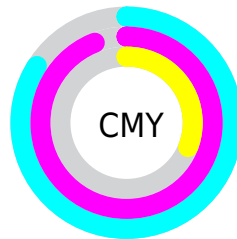
- Red (16%)
- Green (6%)
- Blue (69%)



- Red (16%)
- Yellow (6%)
- Blue (69%)



- Cyan (77%)
- Magenta (91%)
- Yellow (0%)
- Black (31%)



- Cyan (84%)
- Magenta (94%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2810B1 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 2810B1 by changing the saturation by 10% instead.



■ 2810B1

■ 2810B1

FFFFFF

■ 000095

■ 6F45EA

■ 00007B

■ 8E5FFF

■ 000061

■ AC79FF

■ 000848

■ CB94FF

■ 000430

■ E9AFFF

■ 00011B

■ FFCBFF

■ 000000

■ FFE8FF

■ 2810B1

■ 2810B1

■ 1A00B1

■ 3722B1

■ 4633B1

■ 5545B1

■ 6457B1

■ 7369B1

■ 827AB1

■ 918CB1

■ A09EB1

■ B0AFB1

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0043CF



2810B1



910074

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



2810B1



711500



004E47

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



2810B1



99B110

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



004C00



2810B1



383C00

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



2810B1



980000



004800



00508F

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



2810B1



A50045



004800



004D2E



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



2810B1



B1A8E6



109CB1



544E73



F2F2F2



737373



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



2810B1



2200E6



7610B1



525059



170099



04001A



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



B11099



E600C3



4BB110



595058



990082

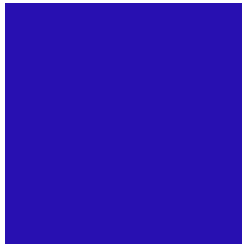


1A0016



# Previews

## White Background



This preview shows how the Hex color 2810B1 looks on a white background.

## Color Contrast Check

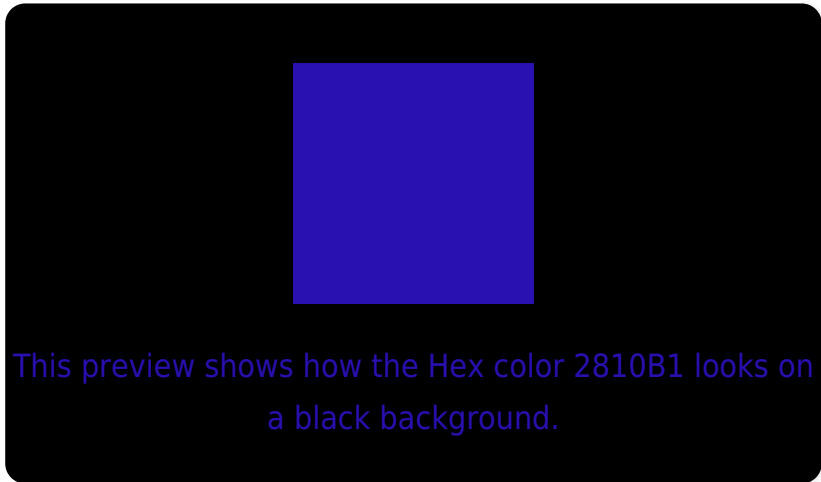
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

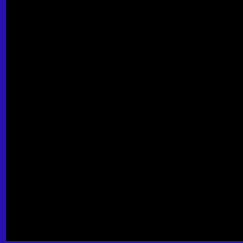
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2810B1 Background



This preview shows how black text looks on a background with the Hex color 2810B1.



This preview shows how white text looks on a background with the Hex color 2810B1.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
2810B1

**Protanopia**  
003774

**Deuteranopia**  
003B63



# Trichromacy



**Original Color**  
2810B1

**Protanomaly**  
0F298A

**Deuteranomaly**  
0F2B7F

**Tritanomaly**  
0F2F6B

# Monochromacy



**Original Color**  
2810B1

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
29215B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2810B1 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #2810B1 looks like.

```
.text, #text, p{  
    color:#2810B1  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #2810B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2810B1
}
```

## Border

The CSS property to change the border of an element to Hex 2810B1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2810B1 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#2810B1 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #2810B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2810B1; -webkit-box-shadow:4px 4px  
4px 4px #2810B1; box-shadow:4px 4px 4px  
4px #2810B1 }
```

# Background

The CSS property to change the background color of an element to Hex 2810B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2810B1 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#2810B1 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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