

# Converting Colors

Hex(277EB8)

Have a look what the booklet for  
Hex(277EB8) contains.

<b>Hex(277EB8)</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(277EB8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	277EB8
RGB	39, 126, 184
RGB Percent	15%, 49%, 72%
CMY	0.8471, 0.5059, 0.2784
CMYK	0.79, 0.32, 0.00, 0.28
HSL	204°, 65%, 44%
HSV	204°, 79%, 72%
XYZ	16.9493, 18.8137, 48.0855
YIQ	106.5990, -70.4700, -0.4060

# Conversions

## Conversions Part 2

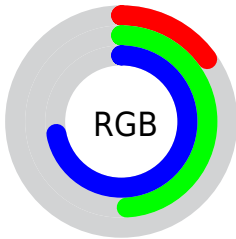
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 93, 184
Decimal	2588344
CIELab	50.47, -5.07, -37.70
CIELCh	50, 38.044, 262.342
Yxy	18.8137, 0.2021, 0.2244
Android (android.graphics.Color)	4280778424 (0xFF277EB8)
YUV	106.5990, 38.1587, -59.2843
Hunter-Lab	43.3748, -6.1546, -35.3668

# Details

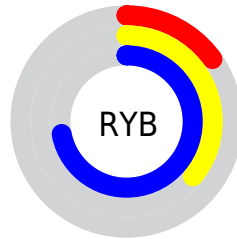
The Hex color **277EB8** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B86127**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **6AB2F0**, and **004D83** is the 20% darker color. If you saturate the color by 10%, you get **1577B8**, and if you desaturate by 10%, it is **3985B8**.

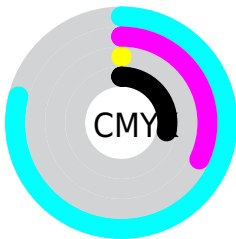
# Distribution



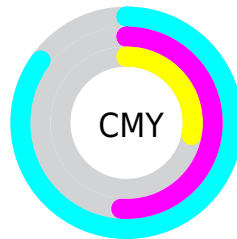
- Red (15%)
- Green (49%)
- Blue (72%)



- Red (15%)
- Yellow (36%)
- Blue (72%)



- Cyan (79%)
- Magenta (32%)
- Yellow (0%)
- Black (28%)



- Cyan (85%)
- Magenta (51%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 277EB8 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 277EB8 by changing the saturation by 10% instead.



■ 277EB8

■ 277EB8

FFFFFF

■ 00659D

■ 6AB2F0

■ 004D83

■ 88CEFF

■ 003769

■ A6EAFF

■ 002251

■ C3FFFF

■ 000939

■ E1FFFF

■ 000223

■ 00000A

■ 000000

■ 277EB8

■ 277EB8

■ 1577B8

■ 3985B8

■ 026FB8

■ 4C8DB8

■ 006EB8

■ 5E94B8

■ 719BB8

■ 83A3B8

■ 95AAB8

■ A8B2B8

■ BAB9B8

■ CDC0B8

# Harmonies

## Analogous

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



0085AB



277EB8



6E73B4

# Triad

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



277EB8



B55F61



4D854F

# Complementary

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



277EB8



B86127

# 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.



737E3A



277EB8



AA6846

# Square

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



277EB8



B05E82



937336



04886E

# Rectangle

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



277EB8



8C6AA8



937336



5B8347

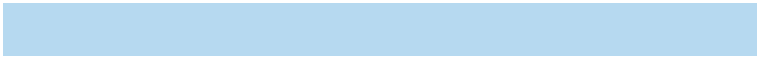


# Sweetspot

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



277EB8



B6D9F0



27B861



556A78



F7F7F7



787878



# Same Dimension

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



277EB8



0C95F0



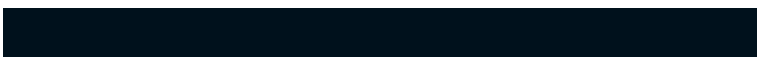
2735B8



53585C



005D9C



00111C



# Inverse Universe

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



B8277E



F00C95



B8AA27



5C5358



9C005D



1C0011



# Previews

## White Background



This preview shows how the Hex color 277EB8 looks on a white background.

## Color Contrast Check

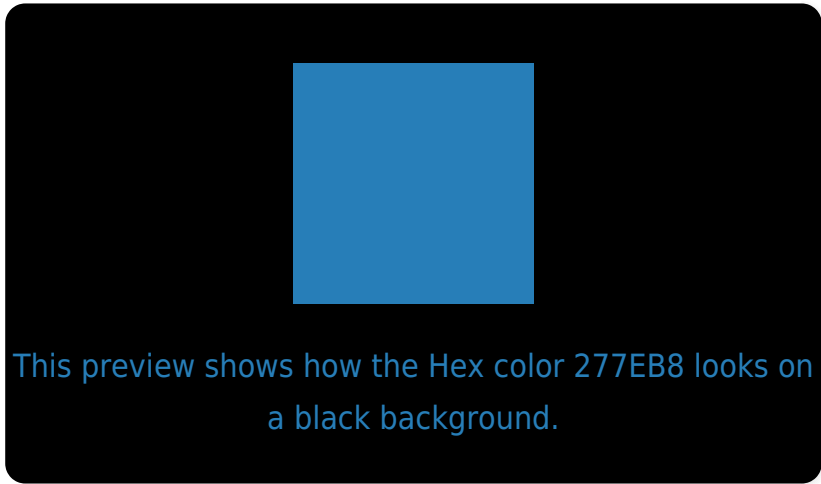
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

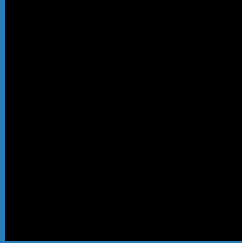
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 277EB8 Background



This preview shows how black text looks on a background with the Hex color 277EB8.

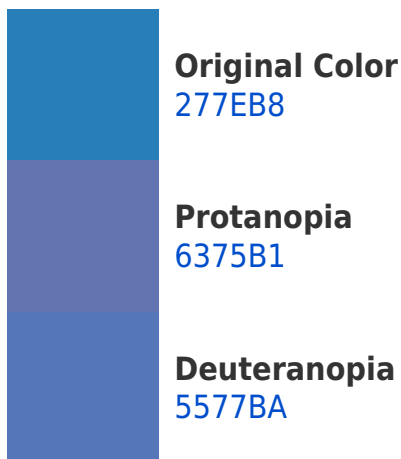


This preview shows how white text looks on a background with the Hex color 277EB8.

# 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](#).

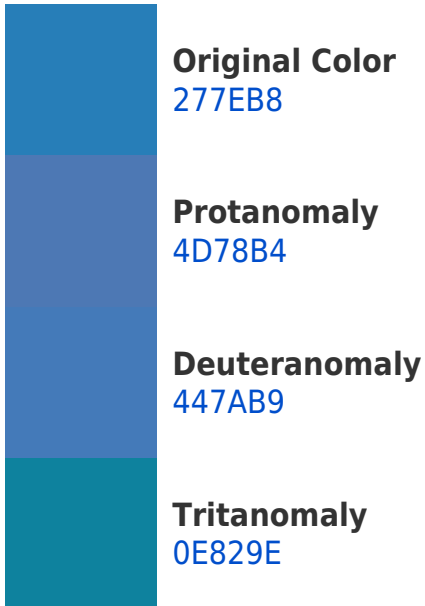
## Dichromacy



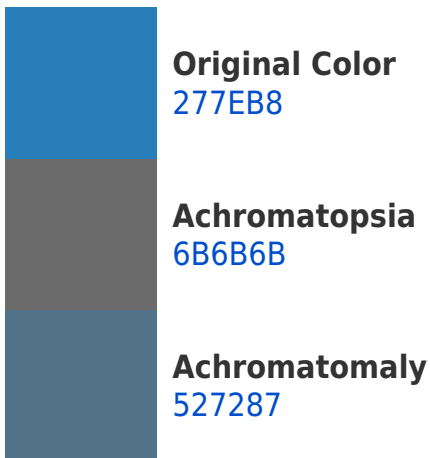


**Tritanopia**  
00858F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 277EB8 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 #277EB8 looks like.

```
.text, #text, p{  
    color:#277EB8  
}
```

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 #277EB8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #277EB8
}
```

## Border

The CSS property to change the border of an element to Hex 277EB8 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
#277EB8 }
```

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

```
.border{ border-color:#277EB8 }
```

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

Here you see how a box with a 4 pixel #277EB8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #277EB8; -webkit-box-shadow:4px 4px  
4px 4px #277EB8; box-shadow:4px 4px 4px  
4px #277EB8 }
```

# Background

The CSS property to change the background color of an element to Hex 277EB8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#277EB8 }
```

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

```
.background{ background-color:#277EB8 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor