

# Converting Colors

Hex(2277CC)

Have a look what the booklet for  
Hex(2277CC) contains.

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# Color

Hex(2277CC)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2277CC
RGB	34, 119, 204
RGB Percent	13%, 47%, 80%
CMY	0.8667, 0.5333, 0.2000
CMYK	0.83, 0.42, 0.00, 0.20
HSL	210°, 71%, 47%
HSV	210°, 83%, 80%
XYZ	18.1556, 17.8934, 59.6236
YIQ	103.2750, -77.9450, 8.4150

# Conversions

## Conversions Part 2

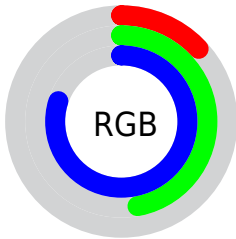
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 91, 204
Decimal	2258892
CIELab	49.37, 6.20, -50.92
CIELCh	49, 51.301, 276.947
Yxy	17.8934, 0.1898, 0.1870
Android (android.graphics.Color)	4280448972 (0xFF2277CC)
YUV	103.2750, 49.6574, -60.7542
Hunter-Lab	42.3006, 2.5871, -53.9602

# Details

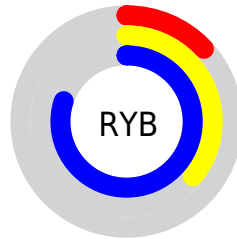
The Hex color **2277CC** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **CC7722**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **6CABFF**, and **004795** is the 20% darker color. If you saturate the color by 10%, you get **0E6DCC**, and if you desaturate by 10%, it is **3681CC**.

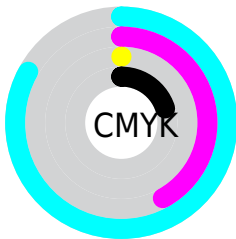
# Distribution



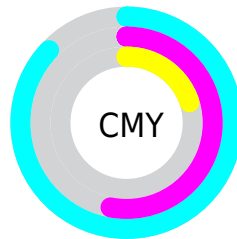
- Red (13%)
- Green (47%)
- Blue (80%)



- Red (13%)
- Yellow (36%)
- Blue (80%)



- Cyan (83%)
- Magenta (42%)
- Yellow (0%)
- Black (20%)



- Cyan (87%)
- Magenta (53%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2277CC 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 2277CC by changing the saturation by 10% instead.



■ 2277CC

■ 2277CC

FFFFFF

■ 005FB0

■ 6CABFF

■ 004795

■ 8BC6FF

■ 00327B

■ A9E2FF

■ 001E61

■ C8FEFF

■ 000649

■ E6FFFF

■ 000432

■ 00011C

■ 000000

■ 2277CC

■ 2277CC

0E6DCC

3681CC

0066CC

4B8BCC

5F96CC

74A0CC

88AACC

9CB4CC

B1BECC

C5C9CC

DAD3CC

# Harmonies

## Analogous

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



0083C5



2277CC



8465BB

# Triad

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



2277CC



BE5543



008851

# Complementary

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



2277CC



CC7722

# 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.



54812A



2277CC



A66721

# Square

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



2277CC



C44B6D



827712



008A7F

# Rectangle

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



2277CC



A659A5



827712



268643

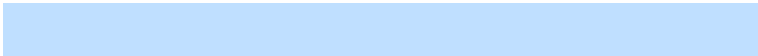


# Sweetspot

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



2277CC



BFDFFF



22CC77



596C80



000000



808080



# Same Dimension

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



2277CC



0080FF



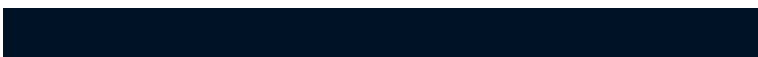
2222CC



5C6166



0053A6



001326



# Inverse Universe

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



CC2277



FF0080



CCCC22



665C61



A60053



260013



# Previews

## White Background



This preview shows how the Hex color 2277CC looks on a white background.

### Color Contrast Check

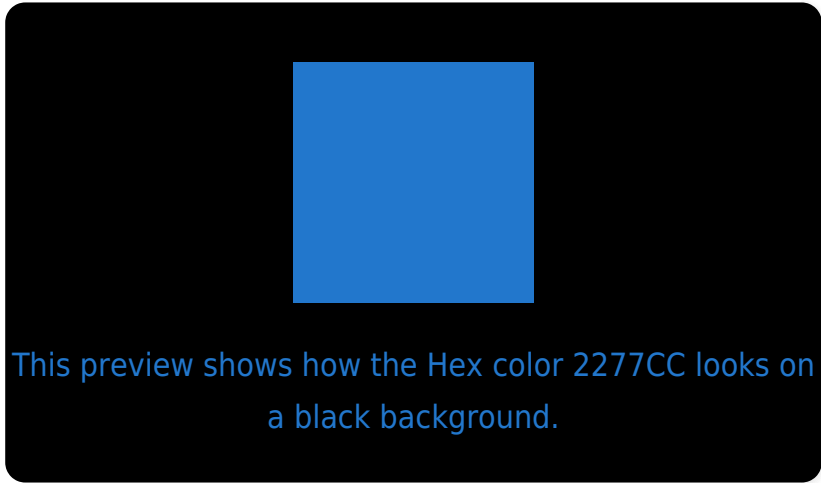
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

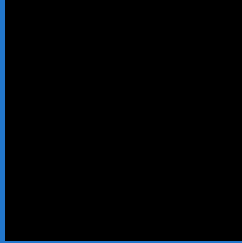
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

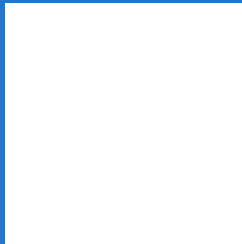
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2277CC Background



This preview shows how black text looks on a background with the Hex color 2277CC.

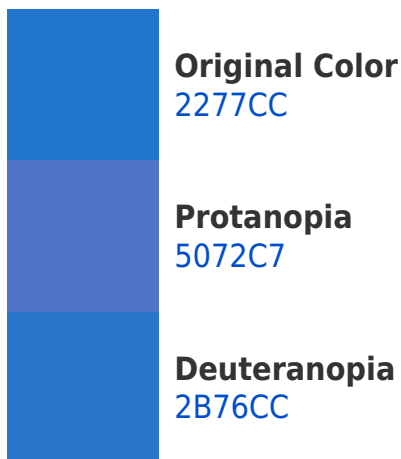


This preview shows how white text looks on a background with the Hex color 2277CC.

# 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**  
00828B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2277CC 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 #2277CC looks like.

```
.text, #text, p{  
    color:#2277CC  
}
```

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 #2277CC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2277CC  
}
```

## Border

The CSS property to change the border of an element to Hex 2277CC is called "border". The border property can be set on classes, ids or directly on the HTML element.

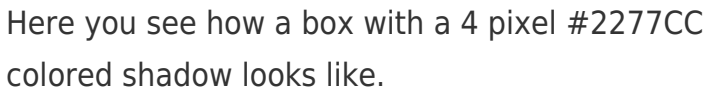
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#2277CC }
```

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

```
.border{ border-color:#2277CC }
```

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



Here you see how a box with a 4 pixel `#2277CC` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2277CC; -webkit-box-shadow:4px 4px  
4px 4px #2277CC; box-shadow:4px 4px 4px  
4px #2277CC }
```

# Background

The CSS property to change the background color of an element to Hex 2277CC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2277CC }
```

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

```
.background{ background-color:#2277CC }
```

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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