

# Converting Colors

Hex(2C77D5)

Have a look what the booklet for  
Hex(2C77D5) contains.

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# Color

Hex(2C77D5)

# Conversions

## Conversions Part 1

Format	Color
Hex	2C77D5
RGB	44, 119, 213
RGB Percent	17%, 47%, 84%
CMY	0.8275, 0.5333, 0.1647
CMYK	0.79, 0.44, 0.00, 0.16
HSL	213°, 67%, 50%
HSV	213°, 79%, 84%
XYZ	19.6458, 18.5332, 65.4926
YIQ	107.2910, -74.8740, 13.3340

# Conversions

## Conversions Part 2

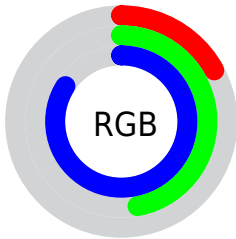
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 96, 213
Decimal	2914261
CIE <sub>Lab</sub>	50.14, 10.56, -54.80
CIE <sub>LCh</sub>	50, 55.806, 280.905
Yxy	18.5332, 0.1895, 0.1788
Android (android.graphics.Color)	4281104341 (0xFF2C77D5)
YUV	107.2910, 52.1145, -55.5062
Hunter-Lab	43.0502, 6.1198, -60.0631

# Details

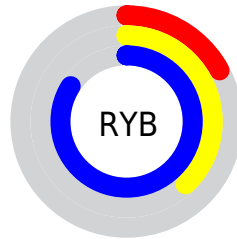
The Hex color **2C77D5** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D58A2C**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **73ABFF**, and **00489E** is the 20% darker color. If you saturate the color by 10%, you get **176BD5**, and if you desaturate by 10%, it is **4183D5**.

# Distribution



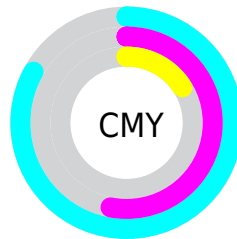
- Red (17%)
- Green (47%)
- Blue (84%)



- Red (17%)
- Yellow (38%)
- Blue (84%)



- Cyan (79%)
- Magenta (44%)
- Yellow (0%)
- Black (16%)



- Cyan (83%)
- Magenta (53%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C77D5 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 2C77D5 by changing the saturation by 10% instead.



■ 2C77D5

■ 2C77D5

FFFFFF

■ 005FB9

■ 73ABFF

■ 00489E

■ 92C6FF

■ 003283

■ B0E2FF

■ 001E69

■ CFFEFF

■ 000351

■ EDFFFF

■ 000538

■ 000222

■ 000008

■ 000000

■ 2C77D5

■ 2C77D5

■ 176BD5

■ 4183D5

■ 015FD5

■ 578FD5

■ 005FD5

■ 6C9BD5

■ 81A6D5

■ 96B2D5

■ ACBED5

■ C1CAD5

■ D6D6D5

■ ECE2D5

# Harmonies

## Analogous

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



0085D1



2C77D5



8F63C0

# Triad

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



2C77D5



C3563B



008B56

# Complementary

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



2C77D5



D58A2C

# 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.



4A8629



2C77D5



A76A14

# Square

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



2C77D5



CD4868



7F7B03



008E88

# Rectangle

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



2C77D5



B154A6



7F7B03



008A47



# Sweetspot

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



2C77D5



C2DDFF



2CD589



5B6B80



000000



808080



# Same Dimension

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



2C77D5



0D78FF



342CD5



60656B



004CAB



00132B



# Inverse Universe

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



D52C77



FF0D78



CDD52C



6B6065



AB004C



2B0013



# Previews

## White Background



This preview shows how the Hex color 2C77D5 looks on a white background.

## Color Contrast Check

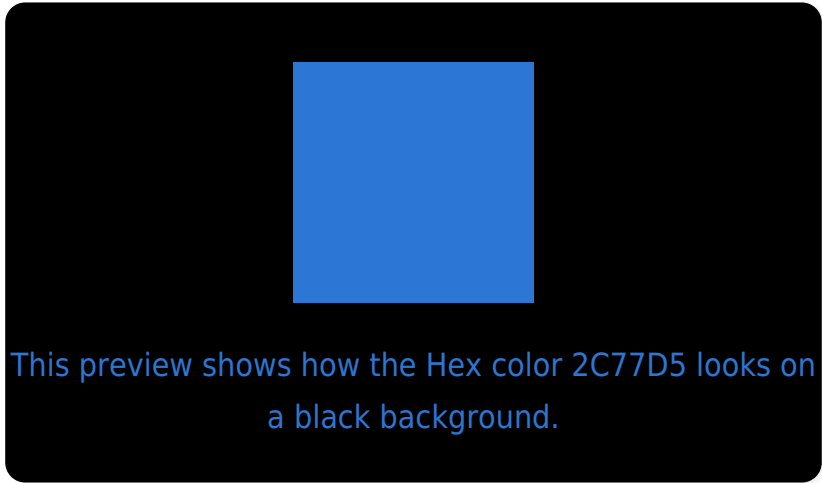
Large Text (above 18pt) WCAG AA ✓ Pass

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

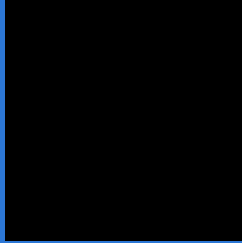
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

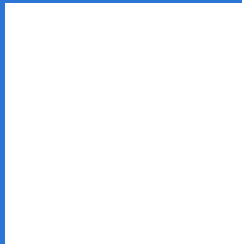
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2C77D5 Background



This preview shows how black text looks on a background with the Hex color 2C77D5.

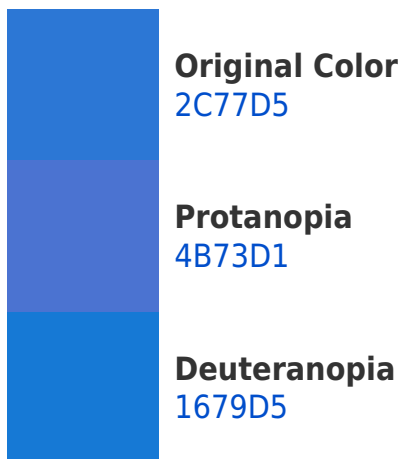


This preview shows how white text looks on a background with the Hex color 2C77D5.

# 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](#).

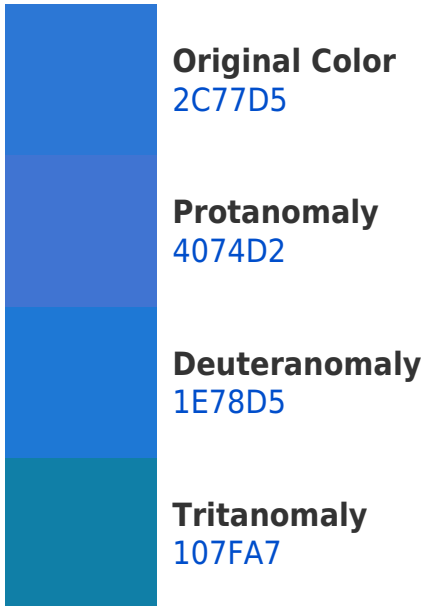
## Dichromacy



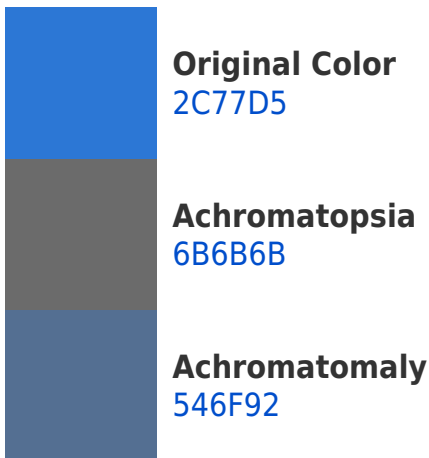


**Tritanopia**  
00848D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C77D5 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 #2C77D5 looks like.

```
.text, #text, p{  
    color:#2C77D5  
}
```

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 #2C77D5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C77D5
}
```

## Border

The CSS property to change the border of an element to Hex 2C77D5 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
#2C77D5 }
```

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

```
.border{ border-color:#2C77D5 }
```

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

Here you see how a box with a 4 pixel #2C77D5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C77D5; -webkit-box-shadow:4px 4px  
4px 4px #2C77D5; box-shadow:4px 4px 4px  
4px #2C77D5 }
```

# Background

The CSS property to change the background color of an element to Hex 2C77D5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C77D5 }
```

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

```
.background{ background-color:#2C77D5 }
```

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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