

# Converting Colors

Hex(2C72C4)

Have a look what the booklet for  
Hex(2C72C4) contains.

<b>Hex(2C72C4)</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(2C72C4)

# Conversions

## Conversions Part 1

Format	Color
Hex	2C72C4
RGB	44, 114, 196
RGB Percent	17%, 45%, 77%
CMY	0.8275, 0.5529, 0.2314
CMYK	0.78, 0.42, 0.00, 0.23
HSL	212°, 63%, 47%
HSV	212°, 78%, 77%
XYZ	17.0198, 16.5556, 54.5231
YIQ	102.4180, -68.0420, 10.6620

# Conversions

## Conversions Part 2

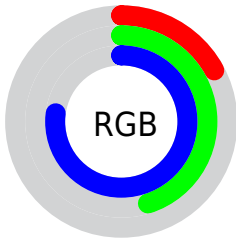
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	44, 92, 196
Decimal	2912964
CIE Lab	47.70, 7.27, -49.00
CIE LCh	48, 49.537, 278.444
Yxy	16.5556, 0.1932, 0.1879
Android (android.graphics.Color)	4281103044 (0xFF2C72C4)
YUV	102.4180, 46.1359, -51.2326
Hunter-Lab	40.6886, 3.4606, -50.9671

# Details

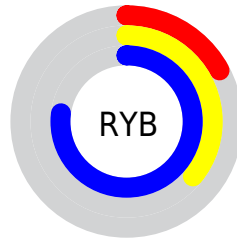
The Hex color **2C72C4** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **C47E2C**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **70A5FD**, and **00438E** is the 20% darker color. If you saturate the color by 10%, you get **1867C4**, and if you desaturate by 10%, it is **407DC4**.

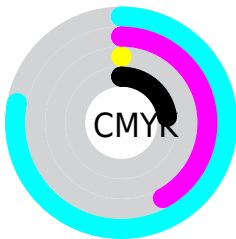
# Distribution



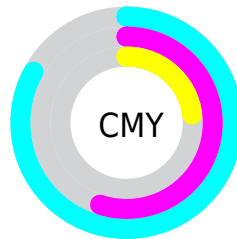
- Red (17%)
- Green (45%)
- Blue (77%)



- Red (17%)
- Yellow (36%)
- Blue (77%)



- Cyan (78%)
- Magenta (42%)
- Yellow (0%)
- Black (23%)



- Cyan (83%)
- Magenta (55%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2C72C4 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 2C72C4 by changing the saturation by 10% instead.



■ 2C72C4

■ 2C72C4

FFFFFF

■ 005AA8

■ 70A5FD

■ 00438E

■ 8EC0FF

■ 002D74

■ ABDCFF

■ 001A5A

■ C9F9FF

■ 000742

■ E7FFFF

■ 00032B

■ 000116

■ 000000

■ 2C72C4

■ 2C72C4

■ 1867C4

■ 407DC4

■ 055DC4

■ 5387C4

■ 005AC4

■ 6792C4

■ 7A9CC4

■ 8EA7C4

■ A2B1C4

■ B5BCC4

■ C9C7C4

■ DCD1C4

# Harmonies

## Analogous

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



007EBF



2C72C4



8261B3

# Triad

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



2C72C4



B6533F



008351

# Complementary

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



2C72C4



C47E2C

# 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.



4F7D2B



2C72C4



9F6420

# Square

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



2C72C4



BD4967



7C7313



00857C

# Rectangle

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



2C72C4



A2559D



7C7313



208243

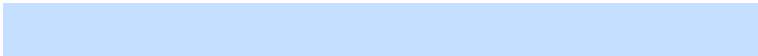


# Sweetspot

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



2C72C4



C4DFFF



2CC47D



5C6C80



000000



808080



# Same Dimension

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



2C72C4



127FFF



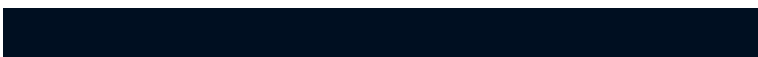
312CC4



575C61



004AA1



000F21



# Inverse Universe

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



C42C72



FF127F



BFC42C



61575C



A1004A

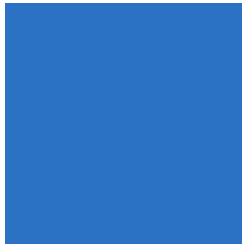


21000F



# Previews

## White Background



This preview shows how the Hex color 2C72C4 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 × Fail

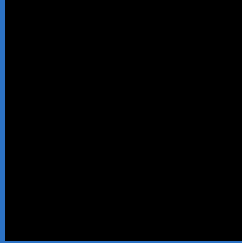
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2C72C4 Background



This preview shows how black text looks on a background with the Hex color 2C72C4.



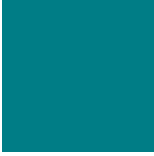
This preview shows how white text looks on a background with the Hex color 2C72C4.

# 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](#).

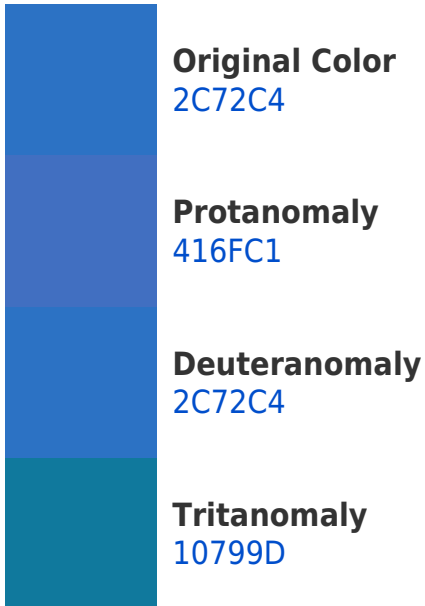
## Dichromacy





**Tritanopia**  
007D86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2C72C4 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 #2C72C4 looks like.

```
.text, #text, p{  
    color:#2C72C4  
}
```

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 #2C72C4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2C72C4
}
```

## Border

The CSS property to change the border of an element to Hex 2C72C4 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
#2C72C4 }
```

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

```
.border{ border-color:#2C72C4 }
```

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

Here you see how a box with a 4 pixel #2C72C4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2C72C4; -webkit-box-shadow:4px 4px  
4px 4px #2C72C4; box-shadow:4px 4px 4px  
4px #2C72C4 }
```

# Background

The CSS property to change the background color of an element to Hex 2C72C4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2C72C4 }
```

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

```
.background{ background-color:#2C72C4 }
```

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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