

# Converting Colors

RGB(74, 122, 228)

Have a look what the booklet for  
RGB(74, 122, 228) contains.

<b>RGB(74, 122, 228)</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

**RGB(74, 122, 228)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4A7AE4
RGB	74, 122, 228
RGB Percent	29%, 48%, 89%
CMY	0.7098, 0.5216, 0.1059
CMYK	0.68, 0.46, 0.00, 0.11
HSL	221°, 74%, 59%
HSV	221°, 68%, 89%
XYZ	23.7872, 20.9763, 76.1939
YIQ	119.7320, -62.6340, 22.7900

# Conversions

## Conversions Part 2

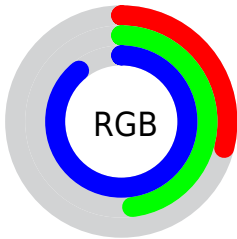
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	74, 111, 228
Decimal	4881124
CIE <sub>Lab</sub>	52.92, 18.01, -58.73
CIE <sub>LCh</sub>	53, 61.427, 287.047
Yxy	20.9763, 0.1967, 0.1734
Android (android.graphics.Color)	4283071204 (0xFF4A7AE4)
YUV	119.7320, 53.3761, -40.1070
Hunter-Lab	45.7999, 12.5578, -66.5763

# Details

The RGB color **74, 122, 228** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **228, 180, 74**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **138, 174, 255**, and **0, 74, 172** is the 20% darker color. If you saturate the color by 10%, you get **51, 106, 228**, and if you desaturate by 10%, it is **97, 138, 228**.

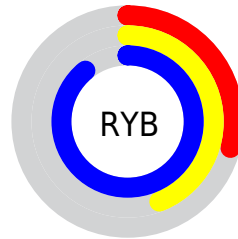
# Distribution



Red (29%)

Green (48%)

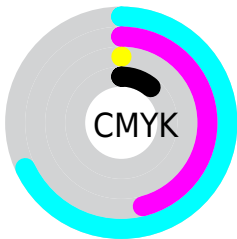
Blue (89%)



Red (29%)

Yellow (44%)

Blue (89%)

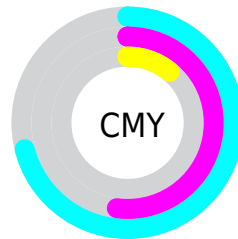


Cyan (68%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (71%)

Magenta (52%)

















Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 74, 122, 228 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 RGB color 74, 122, 228 by changing the saturation by 10% instead.



 74, 122, 228	 74, 122, 228
 255, 255, 255	 32, 98, 200
 138, 174, 255	 0, 74, 172
 168, 201, 255	 0, 52, 145
 198, 229, 255	 0, 33, 118
 228, 255, 255	 0, 10, 93
	 0, 8, 68
	 0, 3, 45
	 0, 1, 24
	 0, 0, 0

■ 74, 122, 228

■ 74, 122, 228

■ 51, 106, 228

■ 97, 138, 228

■ 28, 91, 228

■ 120, 153, 228

■ 6, 75, 228

■ 142, 169, 228

■ 0, 71, 228

■ 165, 185, 228

■ 188, 200, 228

■ 211, 216, 228

■ 234, 232, 228

■ 255, 248, 228

■ 255, 255, 228

# Harmonies

## Analogous

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



0, 139, 230



74, 122, 228



166, 98, 199

# Triad

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



74, 122, 228



205, 93, 50



0, 149, 101

# Complementary

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



74, 122, 228



228, 180, 74

# 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.



57, 144, 48



74, 122, 228



170, 116, 0

# Square

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



74, 122, 228



220, 73, 99



123, 133, 0



0, 151, 156

# Rectangle

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



74, 122, 228



199, 82, 169



123, 133, 0



0, 148, 83



# Sweetspot

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



74, 122, 228



204, 220, 255



74, 228, 179



97, 106, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



74, 122, 228



48, 113, 255



102, 74, 228



103, 107, 115



0, 56, 179



0, 16, 51



# Inverse Universe

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



228, 74, 122



255, 48, 113



200, 228, 74



115, 103, 107



179, 0, 56



51, 0, 16



# Previews

## White Background



This preview shows how the RGB color 74, 122, 228 looks on a white background.

## Color Contrast Check

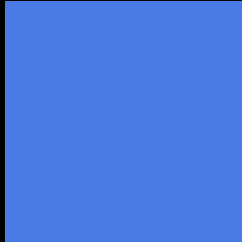
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RGB color 74, 122, 228 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

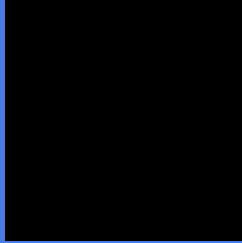
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

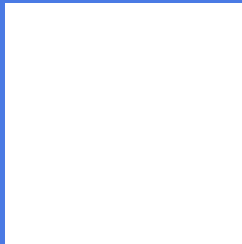
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 74, 122, 228 Background



This preview shows how black text looks on a background with the RGB color 74, 122, 228.



This preview shows how white text looks on a background with the RGB color 74, 122, 228.

# 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**

74, 122, 228

**Protanopia**

73, 122, 228

**Deuteranopia**

12, 128, 227

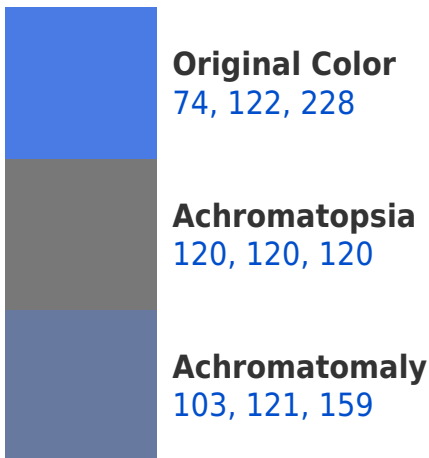


**Tritanopia**  
0, 140, 151

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to RGB 74, 122, 228 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 `rgb(74, 122, 228)` looks like.

```
.text, #text, p{  
    color:rgb(74, 122, 228)  
}
```

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 rgb(74, 122, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 122, 228) }
```

## Border

The CSS property to change the border of an element to RGB 74, 122, 228 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 rgb(74, 122, 228) }
```

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

```
.border{ border-color:rgb(74, 122, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 122, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 122, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 122, 228);  
box-shadow:4px 4px 4px 4px rgb(74, 122,  
228) }
```

# Background

The CSS property to change the background color of an element to RGB 74, 122, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 122, 228) }
```

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

```
.background{ background-color: rgb(74, 122,  
228) }
```

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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