

# Converting Colors

RGB(77, 177, 221)

Have a look what the booklet for  
RGB(77, 177, 221) contains.

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# Color

**RGB(77, 177, 221)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DB1DD
RGB	77, 177, 221
RGB Percent	30%, 69%, 87%
CMY	0.6980, 0.3059, 0.1333
CMYK	0.65, 0.20, 0.00, 0.13
HSL	198°, 68%, 58%
HSV	198°, 65%, 87%
XYZ	31.8339, 38.2425, 74.1103
YIQ	152.1160, -73.7240, -7.5160

# Conversions

## Conversions Part 2

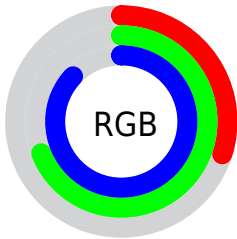
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 136, 221
Decimal	5091805
CIELab	68.20, -15.69, -30.76
CIELCh	68, 34.530, 242.967
Yxy	38.2425, 0.2208, 0.2652
Android (android.graphics.Color)	4283281885 (0xFF4DB1DD)
YUV	152.1160, 33.9598, -65.8767
Hunter-Lab	61.8405, -16.3339, -27.7654

# Details

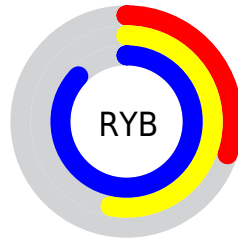
The RGB color **77, 177, 221** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **221, 121, 77**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **139, 233, 255**, and **0, 124, 166** is the 20% darker color. If you saturate the color by 10%, you get **55, 170, 221**, and if you desaturate by 10%, it is **99, 184, 221**.

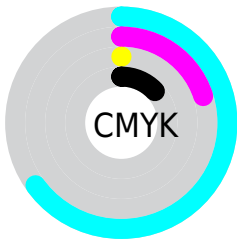
# Distribution



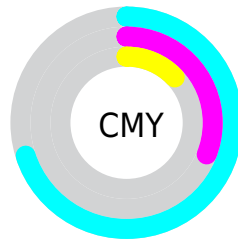
- Red (30%)
- Green (69%)
- Blue (87%)



- Red (30%)
- Yellow (53%)
- Blue (87%)



- Cyan (65%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)




- Cyan (70%)
- Magenta (31%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the RGB color 77, 177, 221 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 77, 177, 221 by changing the saturation by 10% instead.



 77, 177, 221

 77, 177, 221

255, 255, 255

 38, 150, 193

 139, 233, 255

 0, 124, 166


 169, 255, 255


 0, 99, 139

 199, 255, 255

 0, 76, 114

 230, 255, 255

 0, 53, 89

 0, 32, 65

 0, 3, 43

 0, 1, 21

 0, 0, 0

■ 77, 177, 221

■ 77, 177, 221

■ 55, 170, 221

■ 99, 184, 221

■ 33, 163, 221

■ 121, 191, 221

■ 11, 157, 221

■ 143, 197, 221

■ 0, 153, 221

■ 165, 204, 221

■ 188, 211, 221

■ 210, 218, 221

■ 232, 224, 221

■ 254, 231, 221

■ 255, 238, 221

# Harmonies

## Analogous

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



49, 182, 199



77, 177, 221



127, 168, 228

# Triad

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



77, 177, 221



226, 142, 164



151, 174, 113

# Complementary

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



77, 177, 221



221, 121, 77

# 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.



184, 165, 103



77, 177, 221



226, 146, 134

# Square

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



77, 177, 221



208, 147, 195



210, 155, 111



114, 181, 137

# Rectangle

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



77, 177, 221



160, 161, 224



210, 155, 111



163, 172, 108

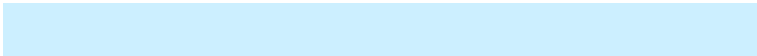


# Sweetspot

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



77, 177, 221



204, 239, 255



77, 221, 120



97, 118, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



77, 177, 221



56, 194, 255



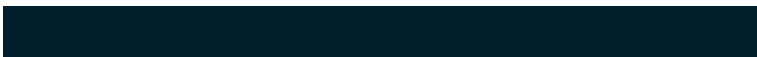
77, 106, 221



99, 106, 110



0, 120, 173



0, 32, 46



# Inverse Universe

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



221, 77, 177



255, 56, 194



221, 192, 77



110, 99, 106



173, 0, 120



46, 0, 32



# Previews

## White Background



This preview shows how the RGB color 77, 177, 221 looks on a white background.

## Color Contrast Check

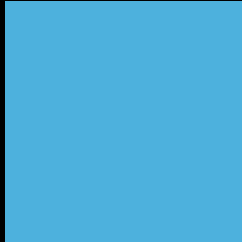
Large Text (above 18pt) WCAG AA × Fail

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 77, 177, 221 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 ✓ Pass

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



## RGB 77, 177, 221 Background



This preview shows how black text looks on a background with the RGB color 77, 177, 221.

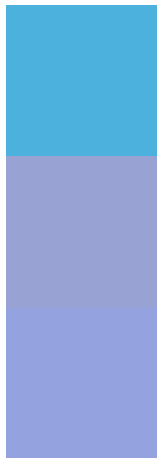


This preview shows how white text looks on a background with the RGB color 77, 177, 221.

# 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](#).

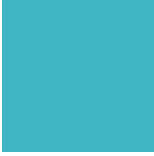
## Dichromacy



**Original Color**  
77, 177, 221

**Protanopia**  
153, 163, 211

**Deuteranopia**  
148, 163, 224



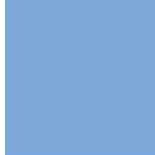
**Tritanopia**  
64, 181, 196

# Trichromacy



**Original Color**

77, 177, 221



**Protanomaly**

125, 168, 215



**Deuteranomaly**

122, 168, 223



**Tritanomaly**

69, 180, 205

# Monochromacy



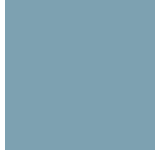
**Original Color**

77, 177, 221



**Achromatopsia**

152, 152, 152



**Achromatomaly**

125, 161, 177

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 77, 177, 221 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(77, 177, 221)` looks like.

```
.text, #text, p{  
    color:rgb(77, 177, 221)  
}
```

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(77, 177, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 177, 221) }
```

## Border

The CSS property to change the border of an element to RGB 77, 177, 221 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(77, 177, 221) }
```

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

```
.border{ border-color:rgb(77, 177, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 177, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 177, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 177, 221);  
box-shadow:4px 4px 4px 4px rgb(77, 177,  
221) }
```

# Background

The CSS property to change the background color of an element to RGB 77, 177, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 177, 221) }
```

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

```
.background{ background-color: rgb(77, 177,  
221) }
```

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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