

Converting Colors

RGB(75, 204, 230)

Have a look what the booklet for
RGB(75, 204, 230) contains.

RGB(75, 204, 230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(75, 204, 230)

Conversions

Conversions Part 1

Format	Color
Hex	4BCCE6
RGB	75, 204, 230
RGB Percent	29%, 80%, 90%
CMY	0.7059, 0.2000, 0.0980
CMYK	0.67, 0.11, 0.00, 0.10
HSL	190°, 76%, 60%
HSV	190°, 67%, 90%
XYZ	38.7774, 50.3948, 82.5463
YIQ	168.3930, -85.2300, -19.2620

Conversions

Conversions Part 2

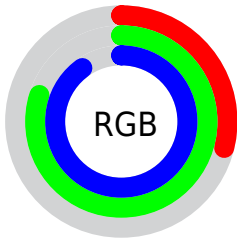
Format	Color
R _{YB}	75, 145, 230
Decimal	4967654
CIE Lab	76.31, -27.05, -23.21
CIE LCh	76, 35.645, 220.625
Yxy	50.3948, 0.2258, 0.2935
Android (android.graphics.Color)	4283157734 (0xFF4BCCE6)
YUV	168.3930, 30.3723, -81.9057
Hunter-Lab	70.9893, -26.7267, -19.2499

Details

The RGB color **75, 204, 230** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **230, 101, 75**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **141, 255, 255**, and **0, 150, 174** is the 20% darker color. If you saturate the color by 10%, you get **52, 200, 230**, and if you desaturate by 10%, it is **98, 208, 230**.

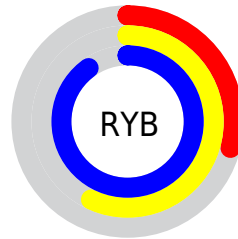
Distribution



Red (29%)

Green (80%)

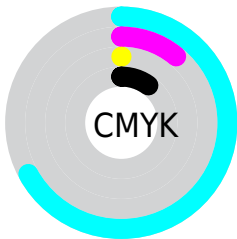
Blue (90%)



Red (29%)

Yellow (57%)

Blue (90%)

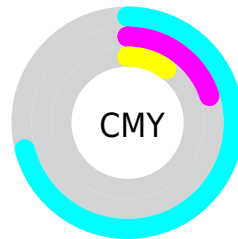


Cyan (67%)

Magenta (11%)

Yellow (0%)

Black (10%)



Cyan (71%)

















Magenta (20%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RGB color 75, 204, 230 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 75, 204, 230 by changing the saturation by 10% instead.


 75, 204, 230	 75, 204, 230
 255, 255, 255	 30, 176, 202
 141, 255, 255	 0, 150, 174
 172, 255, 255	 0, 123, 148
 202, 255, 255	 0, 98, 122
 233, 255, 255	 0, 74, 97
	 0, 51, 73
	 0, 32, 50
	 0, 2, 29
	 0, 0, 0

 75, 204, 230

 75, 204, 230

 52, 200, 230

 98, 208, 230

 29, 196, 230

 121, 212, 230

 6, 192, 230

 144, 216, 230

 0, 191, 230

 167, 219, 230

 190, 223, 230

 213, 227, 230

 236, 231, 230

 255, 235, 230

 255, 239, 230

Harmonies

Analogous

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



86, 206, 199



75, 204, 230



110, 198, 250

Triad

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



75, 204, 230



239, 166, 211



199, 190, 123

Complementary

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



75, 204, 230



230, 101, 75

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.



229, 179, 127



75, 204, 230



253, 163, 178

Square

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



75, 204, 230



207, 176, 238



249, 168, 147



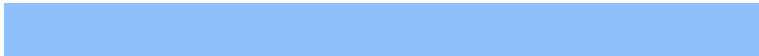
163, 199, 137

Rectangle

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



75, 204, 230



144, 191, 254



249, 168, 147



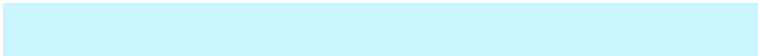
210, 186, 122

Sweetspot

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



75, 204, 230



204, 246, 255



75, 230, 101



97, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 204, 230



48, 220, 255



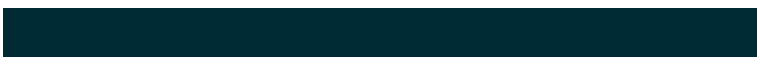
75, 127, 230



103, 113, 115



0, 149, 179



0, 42, 51

Inverse Universe

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



230, 75, 204



255, 48, 220



230, 178, 75



115, 103, 113



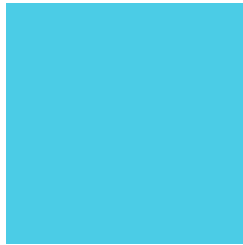
179, 0, 149



51, 0, 42

Previews

White Background



This preview shows how the RGB color 75, 204, 230 looks on a white background.

Color Contrast Check

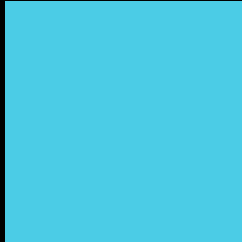
Large Text (above 18pt) WCAG AA × Fail

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 75, 204, 230 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 75, 204, 230 Background



This preview shows how black text looks on a background with the RGB color 75, 204, 230.

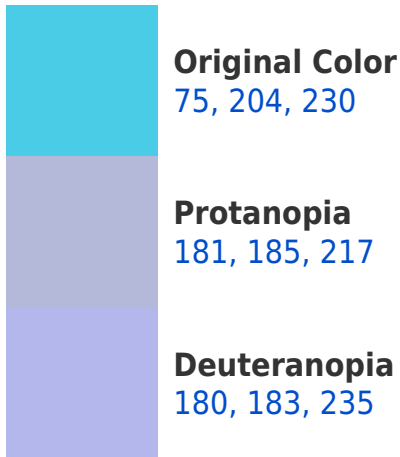


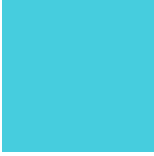
This preview shows how white text looks on a background with the RGB color 75, 204, 230.

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
70, 205, 222

Trichromacy



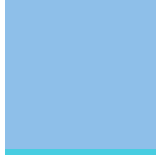
Original Color

75, 204, 230



Protanomaly

142, 192, 222



Deuteranomaly

142, 191, 233



Tritanomaly

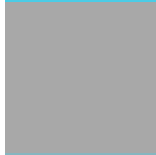
72, 205, 225

Monochromacy



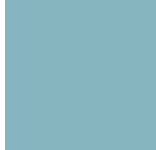
Original Color

75, 204, 230



Achromatopsia

168, 168, 168



Achromatomaly

134, 181, 191

CSS Examples

Text

The CSS property to change the color of the text to RGB 75, 204, 230 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(75, 204, 230)` looks like.

```
.text, #text, p{  
    color:rgb(75, 204, 230)  
}
```

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(75, 204, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 204, 230) }
```

Border

The CSS property to change the border of an element to RGB 75, 204, 230 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(75, 204, 230) }
```

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

```
.border{ border-color:rgb(75, 204, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 204, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 204, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 204, 230);  
box-shadow:4px 4px 4px 4px rgb(75, 204,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 75, 204, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 204, 230) }
```

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

```
.background{ background-color: rgb(75, 204,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor