

# Converting Colors

RGB(64, 203, 239)

Have a look what the booklet for  
RGB(64, 203, 239) contains.

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# **Color**

**RGB(64, 203, 239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40CBEF
RGB	64, 203, 239
RGB Percent	25%, 80%, 94%
CMY	0.7490, 0.2039, 0.0627
CMYK	0.73, 0.15, 0.00, 0.06
HSL	192°, 85%, 59%
HSV	192°, 73%, 94%
XYZ	39.0503, 50.0339, 89.2607
YIQ	165.5430, -94.4000, -18.2720

# Conversions

## Conversions Part 2

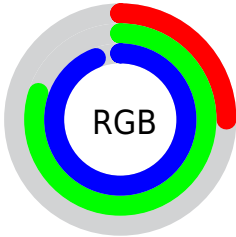
Format	Color
R <sub>YB</sub>	64, 141, 239
Decimal	4246511
CIE Lab	76.09, -25.23, -28.41
CIE LCh	76, 37.996, 228.383
Yxy	50.0339, 0.2190, 0.2805
Android (android.graphics.Color)	4282436591 (0xFF40CBEF)
YUV	165.5430, 36.2143, -89.0532
Hunter-Lab	70.7346, -25.2415, -25.3044

# Details

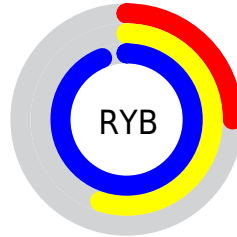
The RGB color **64, 203, 239** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **239, 100, 64**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **134, 255, 255**, and **0, 149, 183** is the 20% darker color. If you saturate the color by 10%, you get **40, 198, 239**, and if you desaturate by 10%, it is **88, 208, 239**.

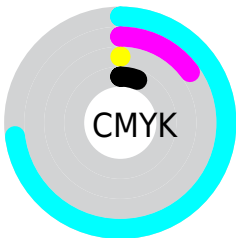
# Distribution



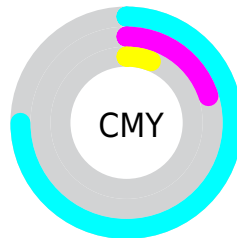
- Red (25%)
- Green (80%)
- Blue (94%)



- Red (25%)
- Yellow (55%)
- Blue (94%)



- Cyan (73%)
- Magenta (15%)
- Yellow (0%)
- Black (6%)



















- Cyan (75%)
- Magenta (20%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 64, 203, 239 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 64, 203, 239 by changing the saturation by 10% instead.



 64, 203, 239	 64, 203, 239
 255, 255, 255	 0, 175, 211
 134, 255, 255	 0, 149, 183
 166, 255, 255	 0, 123, 156
 197, 255, 255	 0, 98, 130
 228, 255, 255	 0, 73, 105
	 0, 50, 80
	 0, 31, 57
	 0, 2, 35
	 0, 0, 11

■ 64, 203, 239

■ 64, 203, 239

■ 40, 198, 239

■ 88, 208, 239

■ 16, 193, 239

■ 112, 213, 239

■ 0, 190, 239

■ 136, 218, 239

■ 160, 223, 239

■ 184, 228, 239

■ 207, 232, 239

■ 231, 237, 239

■ 255, 242, 239

■ 255, 247, 239

# Harmonies

## Analogous

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



64, 206, 208



64, 203, 239



116, 195, 255

# Triad

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



64, 203, 239



248, 162, 203



189, 192, 120

# Complementary

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



64, 203, 239



239, 100, 64

# 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.



223, 181, 119



64, 203, 239



255, 161, 167

# Square

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



64, 203, 239



218, 171, 235



248, 169, 137



149, 201, 140

# Rectangle

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



64, 203, 239



154, 188, 255



248, 169, 137



202, 189, 117

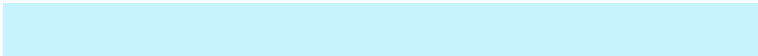


# Sweetspot

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



64, 203, 239



199, 243, 255



64, 239, 99



94, 121, 128



0, 0, 0



128, 128, 128

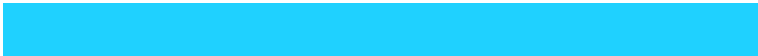


# Same Dimension

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



64, 203, 239



31, 209, 255



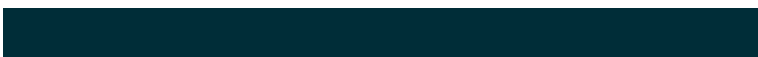
64, 116, 239



108, 117, 120



0, 146, 184



0, 45, 56



# Inverse Universe

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



239, 64, 203



255, 31, 209



239, 187, 64



120, 108, 117



184, 0, 146

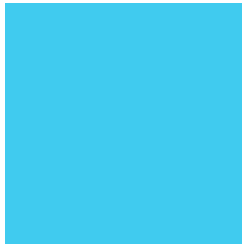


56, 0, 45



# Previews

## White Background



This preview shows how the RGB color 64, 203, 239 looks on a white background.

## Color Contrast Check

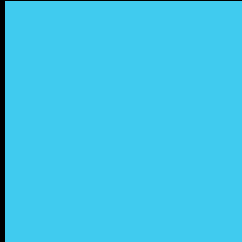
Large Text (above 18pt) WCAG AA × Fail

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 64, 203, 239 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 64, 203, 239 Background



This preview shows how black text looks on a background with the RGB color 64, 203, 239.

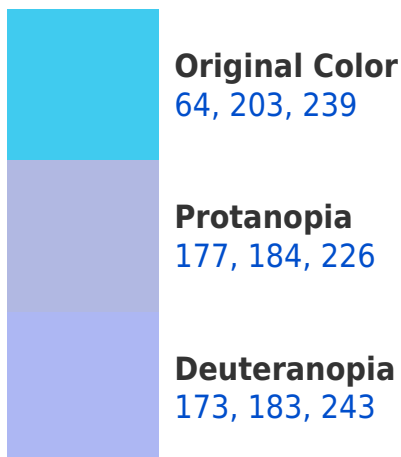


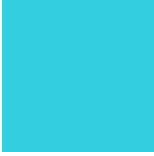
This preview shows how white text looks on a background with the RGB color 64, 203, 239.

# 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**  
51, 206, 223

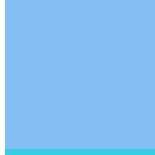
# Trichromacy



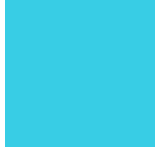
**Original Color**  
64, 203, 239



**Protanomaly**  
136, 191, 231



**Deuteranomaly**  
133, 190, 242



**Tritanomaly**  
56, 205, 229

# Monochromacy



**Original Color**  
64, 203, 239



**Achromatopsia**  
166, 166, 166



**Achromatomaly**  
129, 179, 193

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 64, 203, 239 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(64, 203, 239)` looks like.

```
.text, #text, p{  
    color:rgb(64, 203, 239)  
}
```

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(64, 203, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 203, 239) }
```

## Border

The CSS property to change the border of an element to RGB 64, 203, 239 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(64, 203, 239) }
```

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

```
.border{ border-color:rgb(64, 203, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 203, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 203, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 203, 239);  
box-shadow:4px 4px 4px 4px rgb(64, 203,  
239) }
```

# Background

The CSS property to change the background color of an element to RGB 64, 203, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 203, 239) }
```

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

```
.background{ background-color: rgb(64, 203,  
239) }
```

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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