

Converting Colors

RGB(68, 212, 255)

Have a look what the booklet for
RGB(68, 212, 255) contains.

RGB(68, 212, 255)	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(68, 212, 255)

Conversions

Conversions Part 1

Format	Color
Hex	44D4FF
RGB	68, 212, 255
RGB Percent	27%, 83%, 100%
CMY	0.7333, 0.1686, 0.0000
CMYK	0.73, 0.17, 0.00, 0.00
HSL	194°, 100%, 63%
HSV	194°, 73%, 100%
XYZ	43.9774, 55.5359, 103.0094
YIQ	173.8460, -99.6270, -17.1550

Conversions

Conversions Part 2

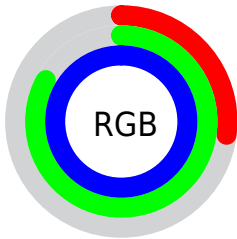
Format	Color
R _Y B	68, 149, 255
Decimal	4510975
CIE Lab	79.35, -24.26, -31.94
CIE LCh	79, 40.113, 232.779
Yxy	55.5359, 0.2171, 0.2742
Android (android.graphics.Color)	4282701055 (0xFF44D4FF)
YUV	173.8460, 40.0089, -92.8269
Hunter-Lab	74.5224, -25.0773, -29.7885

Details

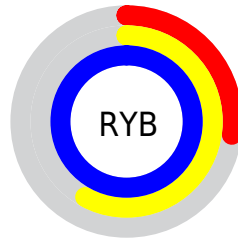
The RGB color **68, 212, 255** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **255, 111, 68**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **140, 255, 255**, and **0, 157, 198** is the 20% darker color. If you saturate the color by 10%, you get **42, 206, 255**, and if you desaturate by 10%, it is **93, 218, 255**.

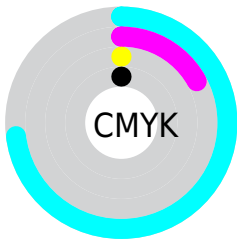
Distribution



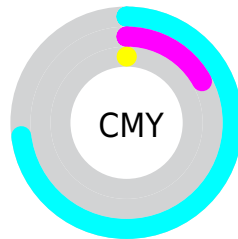
- Red (27%)
- Green (83%)
- Blue (100%)



- Red (27%)
- Yellow (58%)
- Blue (100%)



- Cyan (73%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



















- Cyan (73%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 68, 212, 255 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 68, 212, 255 by changing the saturation by 10% instead.

 68, 212, 255	 68, 212, 255
 255, 255, 255	 0, 184, 226
 140, 255, 255	 0, 157, 198
 172, 255, 255	 0, 131, 171
 203, 255, 255	 0, 106, 144
 235, 255, 255	 0, 81, 118
	 0, 58, 93
	 0, 37, 69
	 0, 4, 47
	 0, 1, 26

■ 68, 212, 255

■ 68, 212, 255

■ 42, 206, 255

■ 93, 218, 255

■ 17, 200, 255

■ 119, 224, 255

■ 0, 196, 255

■ 145, 230, 255

■ 170, 235, 255

■ 195, 241, 255

■ 221, 247, 255

■ 246, 253, 255

255, 255, 255

Harmonies

Analogous

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



56, 216, 224



68, 212, 255



128, 203, 255

Triad

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



68, 212, 255



255, 169, 207



192, 203, 127

Complementary

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



68, 212, 255



255, 111, 68

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.



230, 191, 122



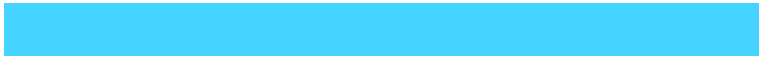
68, 212, 255



255, 169, 170

Square

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



68, 212, 255



235, 177, 242



255, 178, 138



149, 212, 150

Rectangle

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



68, 212, 255



169, 195, 255



255, 178, 138



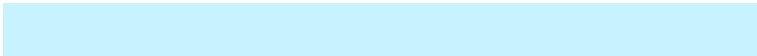
206, 199, 123

Sweetspot

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



68, 212, 255



199, 242, 255



68, 255, 109



94, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



68, 212, 255



31, 203, 255



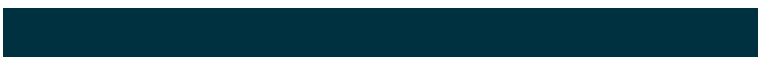
68, 121, 255



115, 125, 128



0, 147, 191



0, 49, 64

Inverse Universe

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



255, 68, 212



255, 31, 203



255, 202, 68



128, 115, 125



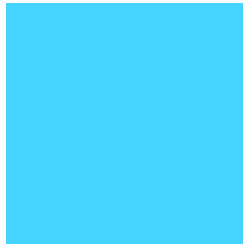
191, 0, 147



64, 0, 49

Previews

White Background



This preview shows how the RGB color 68, 212, 255 looks on a white background.

Color Contrast Check

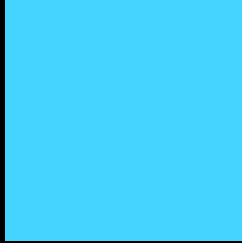
Large Text (above 18pt) WCAG AA × Fail

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 68, 212, 255 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 68, 212, 255 Background



This preview shows how black text looks on a background with the RGB color 68, 212, 255.

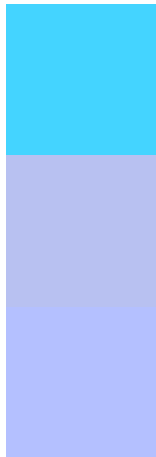


This preview shows how white text looks on a background with the RGB color 68, 212, 255.

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](#).

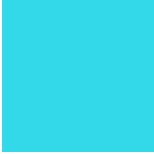
Dichromacy



Original Color
68, 212, 255

Protanopia
184, 193, 241

Deuteranopia
180, 192, 255



Tritanopia
51, 216, 233

Trichromacy



Original Color

68, 212, 255



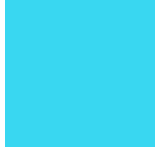
Protanomaly

142, 200, 246



Deuteranomaly

139, 199, 255



Tritanomaly

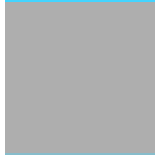
57, 215, 241

Monochromacy



Original Color

68, 212, 255



Achromatopsia

174, 174, 174



Achromatomaly

135, 188, 203

CSS Examples

Text

The CSS property to change the color of the text to RGB 68, 212, 255 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(68, 212, 255)` looks like.

```
.text, #text, p{  
    color:rgb(68, 212, 255)  
}
```

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(68, 212, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 212, 255) }
```

Border

The CSS property to change the border of an element to RGB 68, 212, 255 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(68, 212, 255) }
```

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

```
.border{ border-color:rgb(68, 212, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 212, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 212, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 212, 255);  
box-shadow:4px 4px 4px 4px rgb(68, 212,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 68, 212, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 212, 255) }
```

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

```
.background{ background-color: rgb(68, 212,  
255) }
```

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