

Converting Colors

RGB(76, 230, 104)

Have a look what the booklet for
RGB(76, 230, 104) contains.

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Color

RGB(76, 230, 104)

Conversions

Conversions Part 1

Format	Color
Hex	4CE668
RGB	76, 230, 104
RGB Percent	30%, 90%, 41%
CMY	0.7020, 0.0980, 0.5922
CMYK	0.67, 0.00, 0.55, 0.10
HSL	131°, 75%, 60%
HSV	131°, 67%, 90%
XYZ	33.7760, 59.1296, 22.7297
YIQ	169.5900, -51.3380, -71.8340

Conversions

Conversions Part 2

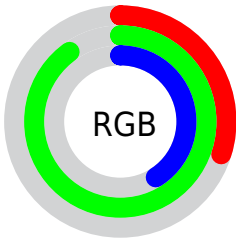
Format	Color
RYB	76, 206, 230
Decimal	5039720
CIELab	81.36, -65.51, 49.22
CIELCh	81, 81.944, 143.080
Yxy	59.1296, 0.2921, 0.5113
Android (android.graphics.Color)	4283229800 (0xFF4CE668)
YUV	169.5900, -32.3359, -82.0784
Hunter-Lab	76.8958, -56.1626, 36.3015

Details

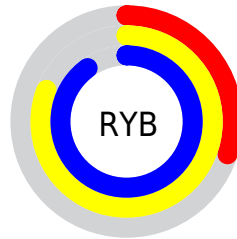
The RGB color **76, 230, 104** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **230, 76, 202**, and the grayscale version is **170, 170, 170**.

A 20% lighter version of the original color is **142, 255, 158**, and **0, 173, 51** is the 20% darker color. If you saturate the color by 10%, you get **53, 230, 85**, and if you desaturate by 10%, it is **99, 230, 123**.

Distribution



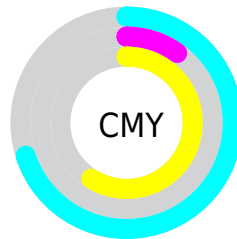
- Red (30%)
- Green (90%)
- Blue (41%)



- Red (30%)
- Yellow (81%)
- Blue (90%)



- Cyan (67%)
- Magenta (0%)
- Yellow (55%)
- Black (10%)



















- Cyan (70%)
- Magenta (10%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RGB color 76, 230, 104 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 76, 230, 104 by changing the saturation by 10% instead.

 76, 230, 104	 76, 230, 104
 255, 255, 255	 32, 201, 78
 142, 255, 158	 0, 173, 51
 172, 255, 186	 0, 146, 22
 203, 255, 214	 0, 119, 0
 234, 255, 243	 0, 92, 0
	 0, 67, 0
	 0, 43, 0
	 0, 9, 0
	 0, 0, 0

 76, 230, 104

 76, 230, 104

 53, 230, 85

 99, 230, 123

 30, 230, 66


 122, 230, 142

 7, 230, 48

 145, 230, 160

 0, 230, 42

 168, 230, 179

 191, 230, 198

 214, 230, 217

 237, 230, 236

 255, 230, 255

 255, 230, 255

Harmonies

Analogous

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



183, 216, 36



76, 230, 104



0, 237, 181

Triad

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



76, 230, 104



0, 216, 255



255, 132, 147

Complementary

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



76, 230, 104



230, 76, 202

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.



255, 128, 223



76, 230, 104



167, 189, 255

Square

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



76, 230, 104



0, 232, 255



255, 155, 255



255, 161, 79

Rectangle

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



76, 230, 104



0, 238, 235



255, 155, 255



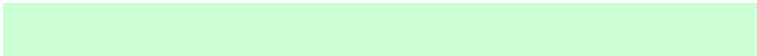
255, 126, 172

Sweetspot

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



76, 230, 104



204, 255, 213



204, 230, 76



97, 128, 102



0, 0, 0



128, 128, 128

Same Dimension

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



76, 230, 104



51, 255, 88



76, 230, 179



103, 115, 105



0, 179, 32



0, 51, 9

Inverse Universe

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



230, 76, 202



255, 51, 218



230, 76, 127



115, 103, 113



179, 0, 146



51, 0, 42

Previews

White Background



This preview shows how the RGB color 76, 230, 104 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 76, 230, 104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

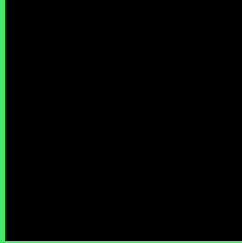
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

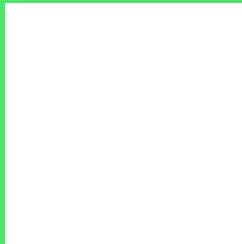
Any Text WCAG AAA ✓ Pass

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

RGB 76, 230, 104 Background



This preview shows how black text looks on a background with the RGB color 76, 230, 104.

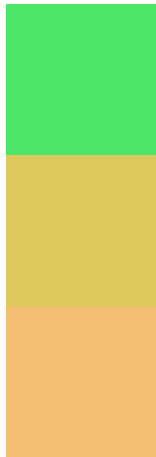


This preview shows how white text looks on a background with the RGB color 76, 230, 104.

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


76, 230, 104

Protanopia

222, 201, 94

Deuteranopia

244, 191, 114



Tritanopia
114, 216, 234

Trichromacy



Original Color

76, 230, 104



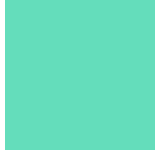
Protanomaly

169, 212, 98



Deuteranomaly

183, 205, 110



Tritanomaly

100, 221, 187

Monochromacy



Original Color

76, 230, 104



Achromatopsia

170, 170, 170



Achromatomaly

136, 192, 146

CSS Examples

Text

The CSS property to change the color of the text to RGB 76, 230, 104 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(76, 230, 104)` looks like.

```
.text, #text, p{  
    color:rgb(76, 230, 104)  
}
```

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(76, 230, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 230, 104) }
```

Border

The CSS property to change the border of an element to RGB 76, 230, 104 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(76, 230, 104) }
```

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

```
.border{ border-color:rgb(76, 230, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 230, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 230, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 230, 104);  
box-shadow:4px 4px 4px 4px rgb(76, 230,  
104) }
```

Background

The CSS property to change the background color of an element to RGB 76, 230, 104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 230, 104) }
```

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

```
.background{ background-color: rgb(76, 230,  
104) }
```

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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