

Converting Colors

`RYB(75, 212, 231)`

Have a look what the booklet for
RYB(75, 212, 231) contains.

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Color

$\text{RYB}(75, 212, 231)$

Conversions

Conversions Part 1

Format	Color
Hex	4BE761
RGB	75, 231, 97
RGB Percent	29%, 91%, 38%
CMY	0.7059, 0.0941, 0.6210
CMYK	0.68, 0.00, 0.58, 0.09
HSL	128°, 76%, 60%
HSV	128°, 68%, 91%
XYZ	33.6182, 59.5040, 20.9338
YIQ	169.0800, -49.9620, -74.7460

Conversions

Conversions Part 2

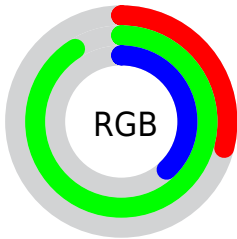
Format	Color
RYB	75, 212, 231
Decimal	4974433
CIELab	81.57, -66.95, 52.79
CIELCh	82, 85.257, 141.744
Yxy	59.5040, 0.2948, 0.5217
Android (android.graphics.Color)	4283164513 (0xFF4BE761)
YUV	169.0800, -35.5354, -82.5082
Hunter-Lab	77.1388, -57.1999, 37.9072

Details

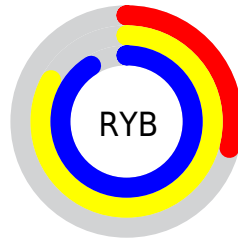
The RYB color **75, 212, 231** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **231, 75, 209**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **141, 246, 255**, and **0, 140, 174** is the 20% darker color. If you saturate the color by 10%, you get **52, 209, 231**, and if you desaturate by 10%, it is **98, 214, 231**.

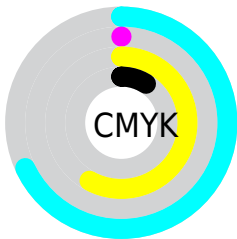
Distribution



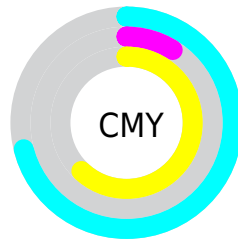
- Red (29%)
- Green (91%)
- Blue (38%)



- Red (29%)
- Yellow (83%)
- Blue (91%)



- Cyan (68%)
- Magenta (0%)
- Yellow (58%)
- Black (9%)



- Cyan (71%)
- Magenta (9%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 212, 231 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 RYB color 75, 212, 231 by changing the saturation by 10% instead.

 75, 212, 231	 75, 212, 231
 255, 255, 255	 29, 169, 202
 141, 246, 255	 0, 140, 174
 172, 249, 255	 0, 141, 146
 203, 251, 255	 0, 119, 119
 234, 253, 255	 0, 93, 93
	 0, 68, 68
	 0, 44, 44
	 0, 11, 11
	 0, 0, 0


 75, 212, 231

 75, 212, 231

 52, 209, 231

 98, 214, 231

 29, 206, 231

 121, 218, 231

 6, 204, 231

 144, 220, 231

 0, 203, 231

 167, 223, 231

 191, 227, 231

 214, 229, 231

 237, 231, 236

 255, 231, 255

Harmonies

Analogous

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



16, 216, 47



75, 212, 231



0, 136, 238

Triad

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



75, 212, 231



0, 118, 255



255, 127, 149

Complementary

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



75, 212, 231



231, 75, 209

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, 124, 228



75, 212, 231



157, 182, 255

Square

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



75, 212, 231



0, 122, 255



255, 154, 255



255, 227, 76

Rectangle

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



75, 212, 231



0, 122, 240



255, 154, 255



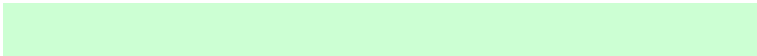
255, 121, 175

Sweetspot

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



75, 212, 231



204, 249, 255



75, 231, 96



97, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



75, 212, 231



48, 230, 255



75, 170, 231



103, 113, 115



0, 157, 179



0, 45, 51

Inverse Universe

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



231, 75, 209



255, 48, 226



231, 75, 132



115, 103, 113



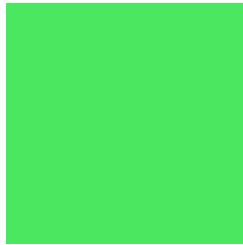
179, 0, 154



51, 0, 44

Previews

White Background



This preview shows how the RYB color 75, 212, 231 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 RYB color 75, 212, 231 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](#).

R Y B 75, 212, 231 Background



This preview shows how black text looks on a background with the R Y B color 75, 212, 231.

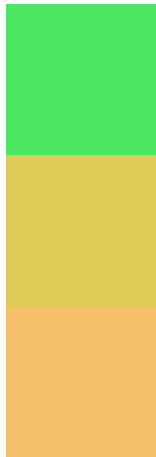


This preview shows how white text looks on a background with the R Y B color 75, 212, 231.

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
75, 212, 231

Protanopia
113, 223, 87

Deuteranopia
199, 246, 108



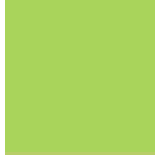
Tritanopia
115, 170, 234

Trichromacy



Original Color

75, 212, 231



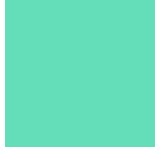
Protanomaly

91, 212, 134



Deuteranomaly

104, 206, 126



Tritanomaly

100, 172, 222

Monochromacy



Original Color

75, 212, 231



Achromatopsia

169, 169, 169



Achromatomaly

135, 185, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 212, 231 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, 231, 97)` looks like.

```
.text, #text, p{  
    color:rgb(75, 231, 97)  
}
```

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, 231, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 231, 97) }
```

Border

The CSS property to change the border of an element to RYB 75, 212, 231 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, 231, 97) }
```

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

```
.border{ border-color:rgb(75, 231, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 231, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 231, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 231, 97);  
box-shadow:4px 4px 4px 4px rgb(75, 231,  
97) }
```

Background

The CSS property to change the background color of an element to RGB 75, 212, 231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 231, 97) }
```

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

```
.background{ background-color: rgb(75, 231,  
97) }
```

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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