

Converting Colors

`RYB(75, 231, 216)`

Have a look what the booklet for
RYB(75, 231, 216) contains.

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Color

R_YB(75, 231, 216)

Conversions

Conversions Part 1

Format	Color
Hex	5AE74B
RGB	90, 231, 75
RGB Percent	35%, 91%, 29%
CMY	0.6471, 0.0941, 0.7059
CMYK	0.61, 0.00, 0.68, 0.09
HSL	114°, 76%, 60%
HSV	114°, 68%, 91%
XYZ	34.0624, 59.8335, 16.4104
YIQ	171.0570, -33.9600, -78.4080

Conversions

Conversions Part 2

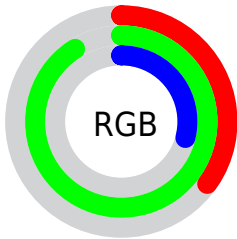
Format	Color
RYB	75, 231, 216
Decimal	5957451
CIELab	81.75, -66.17, 62.10
CIELCh	82, 90.745, 136.821
Yxy	59.8335, 0.3088, 0.5424
Android (android.graphics.Color)	4284147531 (0xFF5AE74B)
YUV	171.0570, -47.3561, -71.0870
Hunter-Lab	77.3521, -56.7629, 41.5680

Details

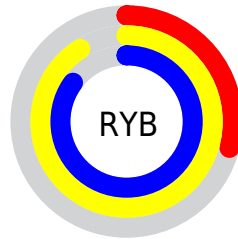
The RYB color **75, 231, 216** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **216, 75, 231**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **131, 255, 232**, and **0, 173, 174** is the 20% darker color. If you saturate the color by 10%, you get **52, 231, 214**, and if you desaturate by 10%, it is **98, 231, 218**.

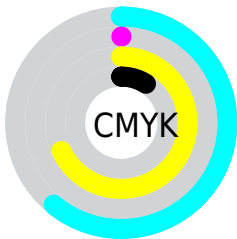
Distribution



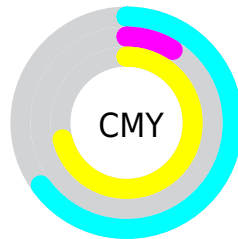
- Red (35%)
- Green (91%)
- Blue (29%)



- Red (29%)
- Yellow (91%)
- Blue (85%)



- Cyan (61%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)



- Cyan (65%)
- Magenta (9%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 75, 231, 216 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, 231, 216 by changing the saturation by 10% instead.

 75, 231, 216	 75, 231, 216
 255, 255, 255	 45, 202, 194
 131, 255, 232	 0, 173, 174
 159, 255, 230	 0, 147, 147
 187, 255, 227	 0, 120, 120
 216, 255, 225	 0, 94, 94
 245, 255, 245	 0, 68, 68
	 0, 44, 44
	 0, 12, 12
	 0, 0, 0

 75, 231, 216

 75, 231, 216

 52, 231, 214

 98, 231, 218

 29, 231, 212

 121, 231, 220

 6, 231, 210

 144, 231, 222

 0, 231, 209

 167, 231, 224

 191, 231, 228

 214, 231, 230

 236, 231, 237

 255, 231, 255

Harmonies

Analogous

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



0, 214, 16



75, 231, 216



0, 144, 240

Triad

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



75, 231, 216



0, 119, 255



255, 115, 159

Complementary

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



75, 231, 216



216, 75, 231

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, 119, 244



75, 231, 216



111, 165, 255

Square

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



75, 231, 216



0, 123, 255



255, 157, 255



255, 191, 80

Rectangle

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



75, 231, 216



0, 126, 242



255, 157, 255



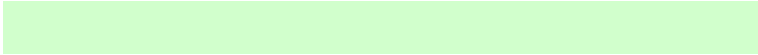
255, 111, 187

Sweetspot

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



75, 231, 216



204, 255, 250



93, 231, 75



97, 128, 125



0, 0, 0



128, 128, 128

Same Dimension

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



75, 231, 216



48, 255, 235



75, 187, 231



103, 115, 114



0, 179, 162



0, 51, 46

Inverse Universe

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



216, 75, 231



235, 48, 255



231, 75, 169



114, 103, 115



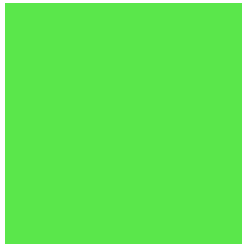
161, 0, 179



46, 0, 51

Previews

White Background



This preview shows how the RYB color 75, 231, 216 looks on a white background.

Color Contrast Check

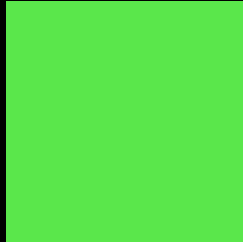
Large Text (above 18pt) WCAG AA × Fail

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, 231, 216 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, 231, 216 Background



This preview shows how black text looks on a background with the RYB color 75, 231, 216.

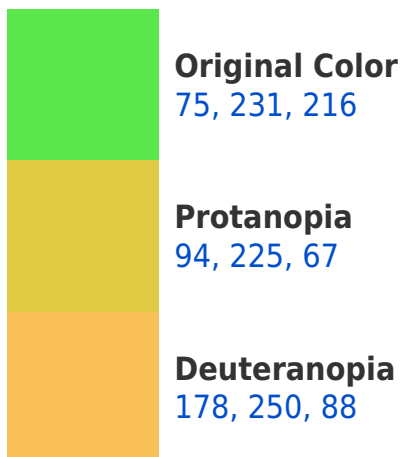


This preview shows how white text looks on a background with the RYB color 75, 231, 216.

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](#).

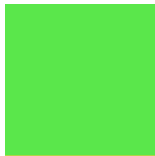
Dichromacy





Tritanopia
126, 175, 233

Trichromacy



Original Color

75, 231, 216



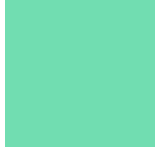
Protanomaly

70, 213, 107



Deuteranomaly

83, 206, 97



Tritanomaly

113, 181, 221

Monochromacy



Original Color

75, 231, 216



Achromatopsia

171, 171, 171



Achromatomaly

136, 193, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 75, 231, 216 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(90, 231, 75)` looks like.

```
.text, #text, p{  
    color:rgb(90, 231, 75)  
}
```

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(90, 231, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 231, 75) }
```

Border

The CSS property to change the border of an element to RYB 75, 231, 216 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(90, 231, 75) }
```

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

```
.border{ border-color:rgb(90, 231, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 231, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 231, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 231, 75);  
box-shadow:4px 4px 4px 4px rgb(90, 231,  
75) }
```

Background

The CSS property to change the background color of an element to RGB 90, 231, 75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 231, 75) }
```

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

```
.background{ background-color: rgb(90, 231,  
75) }
```

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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