

Converting Colors

`RYB(47, 181, 212)`

Have a look what the booklet for
RYB(47, 181, 212) contains.

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Color

RYB(47, 181, 212)

Conversions

Conversions Part 1

Format	Color
Hex	2FD455
RGB	47, 212, 85
RGB Percent	18%, 83%, 33%
CMY	0.8157, 0.1686, 0.6660
CMYK	0.78, 0.00, 0.60, 0.17
HSL	134°, 66%, 51%
HSV	134°, 78%, 83%
XYZ	26.3623, 48.3499, 16.5732
YIQ	148.1870, -57.5730, -74.4770

Conversions

Conversions Part 2

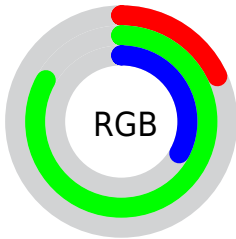
Format	Color
RYB	47, 181, 212
Decimal	3134549
CIELab	75.05, -66.36, 50.19
CIElCh	75, 83.202, 142.899
Yxy	48.3499, 0.2888, 0.5297
Android (android.graphics.Color)	4281324629 (0xFF2FD455)
YUV	148.1870, -31.1512, -88.7410
Hunter-Lab	69.5341, -54.0104, 34.5424

Details

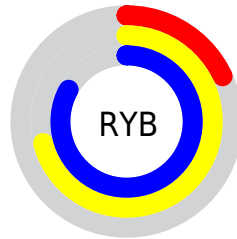
The RYB color **47, 181, 212** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **212, 47, 174**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **120, 239, 255**, and **0, 131, 156** is the 20% darker color. If you saturate the color by 10%, you get **26, 177, 212**, and if you desaturate by 10%, it is **68, 185, 212**.

Distribution



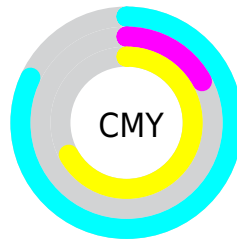
- Red (18%)
- Green (83%)
- Blue (33%)



- Red (18%)
- Yellow (71%)
- Blue (83%)



- Cyan (78%)
- Magenta (0%)
- Yellow (60%)
- Black (17%)



- Cyan (82%)
- Magenta (17%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 181, 212 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 47, 181, 212 by changing the saturation by 10% instead.



47, 181, 212



47, 181, 212

255, 255, 255



0, 139, 184



120, 238, 255



0, 130, 156



151, 242, 255



0, 129, 129



182, 245, 255



0, 102, 102



213, 247, 255



0, 76, 76



244, 250, 255



0, 53, 53



0, 26, 26



0, 0, 0



47, 181, 212



47, 181, 212

■ 26, 177, 212

■ 68, 185, 212

■ 5, 173, 212

■ 89, 189, 212

■ 0, 172, 212

■ 111, 193, 212

■ 132, 197, 212

■ 153, 201, 212

■ 174, 205, 212

■ 195, 209, 212

■ 217, 212, 216

■ 238, 212, 232

Harmonies

Analogous

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



0, 198, 34



47, 181, 212



0, 126, 219

Triad

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



47, 181, 212



0, 112, 255



255, 111, 130

Complementary

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



47, 181, 212



212, 47, 174

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, 106, 206



47, 181, 212



144, 166, 255

Square

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



47, 181, 212



0, 116, 255



255, 136, 255



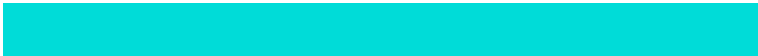
255, 202, 60

Rectangle

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



47, 181, 212



0, 111, 220



255, 136, 255



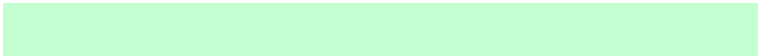
255, 104, 155

Sweetspot

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



47, 181, 212



196, 244, 255



47, 212, 83



92, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



47, 181, 212



18, 210, 255



47, 143, 212



96, 105, 107



0, 139, 171



0, 35, 43

Inverse Universe

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



212, 47, 174



255, 18, 200



212, 47, 94



107, 96, 105



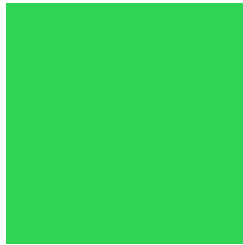
171, 0, 131



43, 0, 33

Previews

White Background



This preview shows how the RYB color 47, 181, 212 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 47, 181, 212 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](#).

RYB 47, 181, 212 Background



This preview shows how black text looks on a background with the RYB color 47, 181, 212.

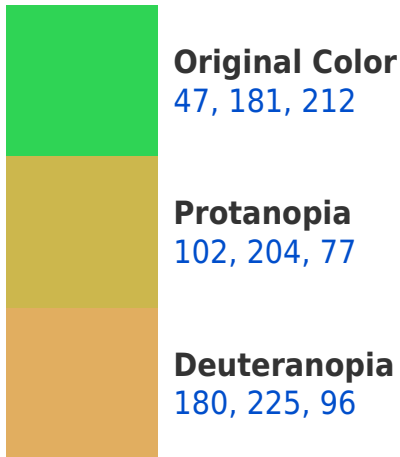


This preview shows how white text looks on a background with the RYB color 47, 181, 212.

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
94, 150, 215

Trichromacy



Original Color

47, 181, 212



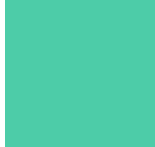
Protanomaly

80, 194, 127



Deuteranomaly

92, 188, 120



Tritanomaly

77, 151, 204

Monochromacy



Original Color

47, 181, 212



Achromatopsia

148, 148, 148



Achromatomaly

111, 160, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 181, 212 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(47, 212, 85)` looks like.

```
.text, #text, p{  
    color:rgb(47, 212, 85)  
}
```

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(47, 212, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 212, 85) }
```

Border

The CSS property to change the border of an element to RYB 47, 181, 212 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(47, 212, 85) }
```

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

```
.border{ border-color:rgb(47, 212, 85) }
```

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

Here you see how a box with a 4 pixel rgb(47, 212, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 212, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 212, 85);  
box-shadow:4px 4px 4px 4px rgb(47, 212,  
85) }
```

Background

The CSS property to change the background color of an element to RYB 47, 181, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 212, 85) }
```

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

```
.background{ background-color: rgb(47, 212,  
85) }
```

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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