

Converting Colors

`RYB(47, 159, 207)`

Have a look what the booklet for
RYB(47, 159, 207) contains.

RYB(47, 159, 207)	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

RYB(47, 159, 207)

Conversions

Conversions Part 1

Format	Color
Hex	2FCF74
RGB	47, 207, 116
RGB Percent	18%, 81%, 45%
CMY	0.8157, 0.1882, 0.5468
CMYK	0.77, 0.00, 0.44, 0.19
HSL	146°, 63%, 50%
HSV	146°, 77%, 81%
XYZ	26.6126, 46.4810, 23.9617
YIQ	148.7860, -66.1490, -62.2210

Conversions

Conversions Part 2

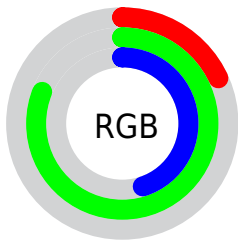
Format	Color
RYB	47, 159, 207
Decimal	3133300
CIELab	73.86, -60.21, 34.18
CIELCh	74, 69.232, 150.419
Yxy	46.4810, 0.2742, 0.4789
Android (android.graphics.Color)	4281323380 (0xFF2FCF74)
YUV	148.7860, -16.1635, -89.2663
Hunter-Lab	68.1770, -49.6329, 26.8856

Details

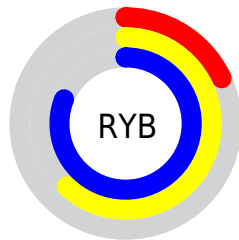
The RYB color **47, 159, 207** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **207, 47, 138**, and the grayscale version is **149, 149, 149**.

A 20% lighter version of the original color is **118, 218, 255**, and **0, 105, 151** is the 20% darker color. If you saturate the color by 10%, you get **26, 152, 207**, and if you desaturate by 10%, it is **68, 166, 207**.

Distribution



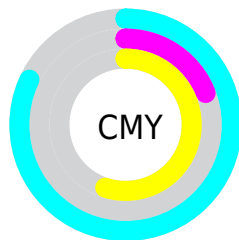
- Red (18%)
- Green (81%)
- Blue (45%)



- Red (18%)
- Yellow (62%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (44%)
- Black (19%)



- Cyan (82%)
- Magenta (19%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 159, 207 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, 159, 207 by changing the saturation by 10% instead.



47, 159, 207



47, 159, 207

255, 255, 255



0, 119, 179



118, 218, 255



0, 105, 151



149, 222, 255



0, 93, 124



179, 227, 255



0, 84, 98



210, 233, 255



0, 73, 73



240, 248, 255



0, 50, 50



0, 22, 22



0, 0, 0



47, 159, 207



47, 159, 207

■ 26, 152, 207

■ 68, 166, 207

■ 6, 147, 207

■ 88, 171, 207

■ 0, 145, 207

■ 109, 178, 207

■ 130, 184, 207

■ 150, 190, 207

■ 171, 196, 207

■ 192, 203, 207

■ 213, 207, 210

■ 233, 207, 222

Harmonies

Analogous

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



62, 196, 108



47, 159, 207



0, 115, 212

Triad

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



47, 159, 207



0, 108, 255



255, 131, 121

Complementary

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



47, 159, 207



207, 47, 138

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, 121, 183



47, 159, 207



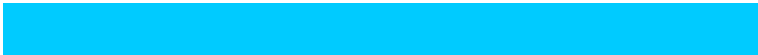
183, 164, 255

Square

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



47, 159, 207



0, 113, 255



255, 137, 245



255, 226, 69

Rectangle

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



47, 159, 207



0, 109, 224



255, 137, 245



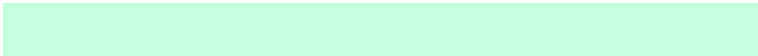
255, 124, 141

Sweetspot

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



47, 159, 207



196, 237, 255



47, 207, 114



92, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



47, 159, 207



18, 184, 255



47, 130, 207



94, 102, 105



0, 118, 168



0, 29, 41

Inverse Universe

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



207, 47, 138



255, 18, 153



207, 47, 60



105, 94, 100



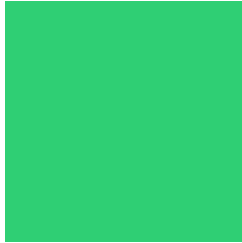
168, 0, 96



41, 0, 23

Previews

White Background



This preview shows how the RYB color 47, 159, 207 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, 159, 207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

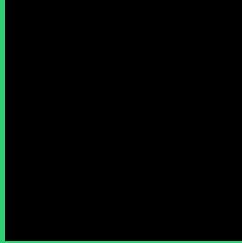
Any Text WCAG AA ✓ Pass

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 47, 159, 207 Background



This preview shows how black text looks on a background with the RGB color 47, 159, 207.

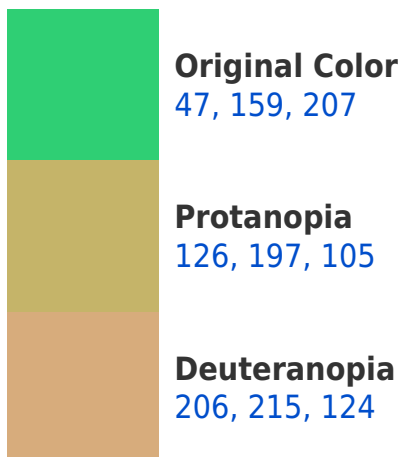


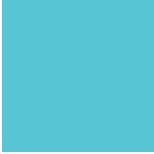
This preview shows how white text looks on a background with the RGB color 47, 159, 207.

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
88, 146, 212

Trichromacy



Original Color

47, 159, 207



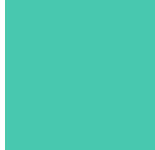
Protanomaly

109, 190, 157



Deuteranomaly

121, 185, 152



Tritanomaly

73, 143, 200

Monochromacy



Original Color

47, 159, 207



Achromatopsia

149, 149, 149



Achromatomaly

112, 153, 170

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 159, 207 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, 207, 116)` looks like.

```
.text, #text, p{  
    color:rgb(47, 207, 116)  
}
```

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, 207, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 207, 116) }
```

Border

The CSS property to change the border of an element to RYB 47, 159, 207 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, 207, 116) }
```

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

```
.border{ border-color:rgb(47, 207, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 207, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(47, 207, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(47, 207, 116); box-shadow:4px 4px 4px 4px rgb(47, 207, 116) }
```

Background

The CSS property to change the background color of an element to RYB 47, 159, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 207, 116) }
```

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

```
.background{ background-color: rgb(47, 207,  
116) }
```

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