

Converting Colors

`RYB(47, 157, 239)`

Have a look what the booklet for
RYB(47, 157, 239) contains.

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Color

RYB(47, 157, 239)

Conversions

Conversions Part 1

Format	Color
Hex	2FEFBE
RGB	47, 239, 190
RGB Percent	18%, 94%, 75%
CMY	0.8157, 0.0627, 0.2544
CMYK	0.80, 0.00, 0.20, 0.06
HSL	165°, 86%, 56%
HSV	165°, 80%, 94%
XYZ	41.3470, 66.0606, 59.3599
YIQ	176.0060, -98.7030, -55.9430

Conversions

Conversions Part 2

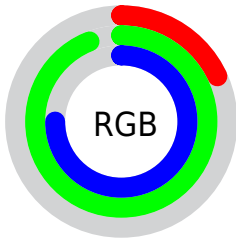
Format	Color
RYB	47, 157, 239
Decimal	3141566
CIELab	85.03, -56.61, 10.80
CIELCh	85, 57.630, 169.197
Yxy	66.0606, 0.2479, 0.3961
Android (android.graphics.Color)	4281331646 (0xFF2FEFBE)
YUV	176.0060, 6.8990, -113.1383
Hunter-Lab	81.2777, -51.4308, 13.5928




Details

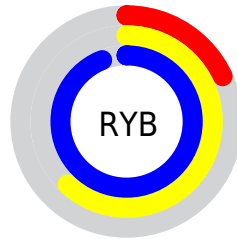
The RYB color **47, 157, 239** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **239, 47, 96**, and the grayscale version is **176, 176, 176**.




A 20% lighter version of the original color is **126, 193, 255**, and **0, 104, 182** is the 20% darker color. If you saturate the color by 10%, you get **23, 147, 239**, and if you desaturate by 10%, it is **71, 167, 239**.

Distribution







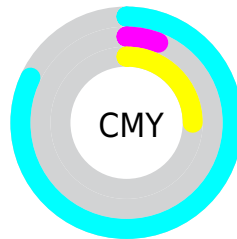
-  Red (18%)
-  Green (94%)
-  Blue (75%)






-  Red (18%)
-  Yellow (62%)
-  Blue (94%)



-  Cyan (80%)
-  Magenta (0%)
-  Yellow (20%)
-  Black (6%)




















-  Cyan (82%)
-  Magenta (6%)
-  Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 157, 239 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, 157, 239 by changing the saturation by 10% instead.

 47, 157, 239	 47, 157, 239
 255, 255, 255	 0, 118, 210
 126, 193, 255	 0, 104, 182
 158, 207, 255	 0, 89, 154
 190, 223, 255	 0, 75, 127
 221, 238, 255	 0, 62, 101
 253, 254, 255	 0, 49, 76
	 0, 37, 52
	 0, 26, 26
	 0, 0, 0

■ 47, 157, 239

■ 47, 157, 239

■ 23, 147, 239

■ 71, 167, 239

■ 0, 137, 239

■ 95, 178, 239

■ 119, 188, 239

■ 143, 198, 239

■ 166, 208, 239

■ 190, 218, 239

■ 214, 228, 239

■ 238, 239, 239

■ 255, 239, 245

Harmonies

Analogous

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



139, 232, 223



47, 157, 239



0, 121, 246

Triad

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



47, 157, 239



185, 201, 255



255, 219, 132

Complementary

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



47, 157, 239



239, 47, 96

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, 168, 179



47, 157, 239



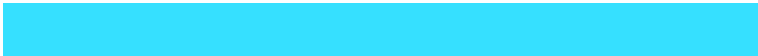
255, 185, 255

Square

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



47, 157, 239



54, 146, 255



255, 169, 234



184, 255, 103

Rectangle

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



47, 157, 239



0, 123, 255



255, 169, 234



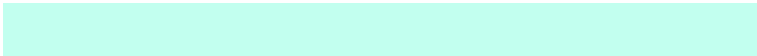
255, 189, 146

Sweetspot

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



47, 157, 239



194, 229, 255



47, 239, 188



91, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



47, 157, 239



10, 150, 255



47, 130, 239



108, 115, 120



0, 105, 184



0, 32, 56

Inverse Universe

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



239, 47, 96



255, 10, 73



239, 106, 47



120, 108, 111



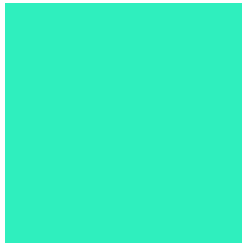
184, 0, 47



56, 0, 14

Previews

White Background



This preview shows how the RYB color 47, 157, 239 looks on a white background.

Color Contrast Check

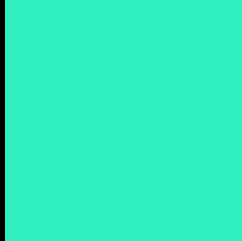
Large Text (above 18pt) WCAG AA × Fail

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, 157, 239 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

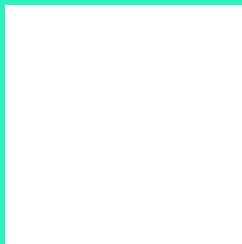
Any Text WCAG AAA ✓ Pass

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

RGB 47, 157, 239 Background



This preview shows how black text looks on a background with the RGB color 47, 157, 239.

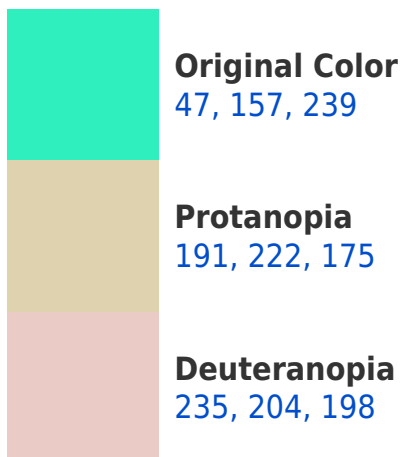


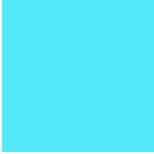
This preview shows how white text looks on a background with the RGB color 47, 157, 239.

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
84, 162, 250

Trichromacy



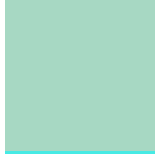
Original Color

47, 157, 239



Protanomaly

158, 204, 221



Deuteranomaly

167, 198, 216



Tritanomaly

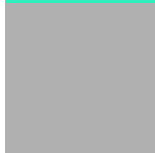
71, 154, 234

Monochromacy



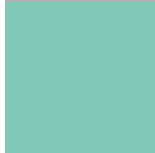
Original Color

47, 157, 239



Achromatopsia

176, 176, 176



Achromatomaly

129, 169, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 157, 239 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, 239, 190)` looks like.

```
.text, #text, p{  
    color:rgb(47, 239, 190)  
}
```

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, 239, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 239, 190) }
```

Border

The CSS property to change the border of an element to RYB 47, 157, 239 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, 239, 190) }
```

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

```
.border{ border-color:rgb(47, 239, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 239, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 239, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 239, 190);  
box-shadow:4px 4px 4px 4px rgb(47, 239,  
190) }
```

Background

The CSS property to change the background color of an element to RYB 47, 157, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 239, 190) }
```

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

```
.background{ background-color: rgb(47, 239,  
190) }
```

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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