

Converting Colors

`RYB(47, 152, 233)`

Have a look what the booklet for RYB(47, 152, 233) contains.

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Color

RYB(47, 152, 233)

Conversions

Conversions Part 1

Format	Color
Hex	2FE9BE
RGB	47, 233, 190
RGB Percent	18%, 91%, 75%
CMY	0.8157, 0.0863, 0.2530
CMYK	0.80, 0.00, 0.18, 0.09
HSL	166°, 81%, 55%
HSV	166°, 80%, 91%
XYZ	39.6587, 62.6211, 58.9909
YIQ	172.4840, -97.0530, -52.8050

Conversions

Conversions Part 2

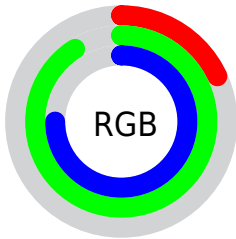
Format	Color
RYB	47, 152, 233
Decimal	3140030
CIELab	83.24, -54.14, 8.06
CIELCh	83, 54.742, 171.529
Yxy	62.6211, 0.2459, 0.3883
Android (android.graphics.Color)	4281330110 (0xFF2FE9BE)
YUV	172.4840, 8.6354, -110.0495
Hunter-Lab	79.1335, -49.0264, 11.1952

Details

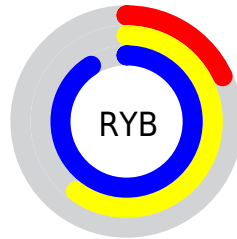
The RYB color **47, 152, 233** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **233, 47, 90**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **124, 192, 255**, and **0, 99, 176** is the 20% darker color. If you saturate the color by 10%, you get **24, 142, 233**, and if you desaturate by 10%, it is **70, 162, 233**.

Distribution



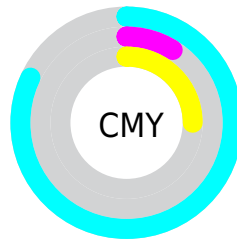
- Red (18%)
- Green (91%)
- Blue (75%)



- Red (18%)
- Yellow (60%)
- Blue (91%)



- Cyan (80%)
- Magenta (0%)
- Yellow (18%)
- Black (9%)




















- Cyan (82%)
- Magenta (9%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 47, 152, 233 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, 152, 233 by changing the saturation by 10% instead.

 47, 152, 233	 47, 152, 233
 255, 255, 255	 0, 113, 204
 124, 192, 255	 0, 99, 176
 157, 206, 255	 0, 85, 149
 188, 222, 255	 0, 71, 122
 220, 238, 255	 0, 58, 96
 251, 253, 255	 0, 45, 71
	 0, 33, 48
	 0, 19, 19
	 0, 0, 0

■ 47, 152, 233

■ 47, 152, 233

■ 24, 142, 233

■ 70, 162, 233

■ 0, 131, 233

■ 94, 173, 233

■ 117, 183, 233

■ 140, 192, 233

■ 163, 203, 233

■ 187, 213, 233

■ 210, 223, 233

■ 233, 233, 233

■ 255, 233, 238

Harmonies

Analogous

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



141, 227, 227



47, 152, 233



0, 119, 243

Triad

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



47, 152, 233



189, 198, 255



255, 219, 128

Complementary

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



47, 152, 233



233, 47, 90

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, 167, 172



47, 152, 233



255, 180, 255

Square

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



47, 152, 233



82, 158, 255



255, 166, 224



184, 251, 104

Rectangle

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



47, 152, 233



0, 121, 255



255, 166, 224



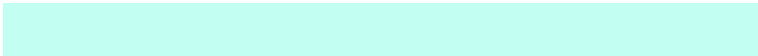
255, 189, 141

Sweetspot

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



47, 152, 233



194, 228, 255



47, 233, 190



91, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



47, 152, 233



10, 148, 255



47, 126, 233



106, 112, 117



0, 102, 181



0, 31, 54

Inverse Universe

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



233, 47, 90



255, 10, 66



233, 115, 47



117, 106, 108



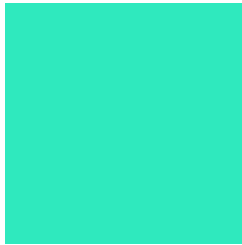
181, 0, 41



54, 0, 12

Previews

White Background



This preview shows how the RYB color 47, 152, 233 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, 152, 233 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, 152, 233 Background



This preview shows how black text looks on a background with the RGB color 47, 152, 233.

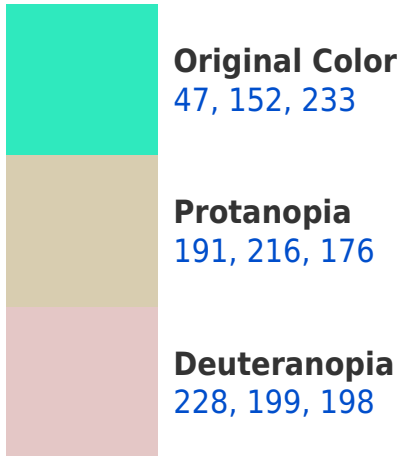


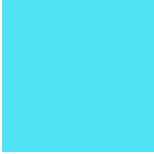
This preview shows how white text looks on a background with the RGB color 47, 152, 233.

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





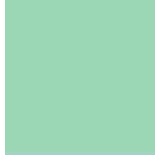
Tritanopia
81, 158, 244

Trichromacy



Original Color

47, 152, 233



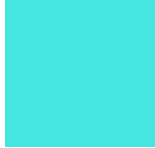
Protanomaly

155, 197, 215



Deuteranomaly

162, 191, 211



Tritanomaly

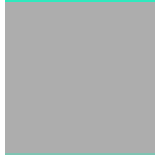
69, 150, 229

Monochromacy



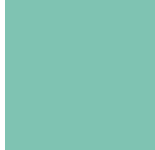
Original Color

47, 152, 233



Achromatopsia

173, 173, 173



Achromatomaly

127, 166, 195

CSS Examples

Text

The CSS property to change the color of the text to RYB 47, 152, 233 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, 233, 190)` looks like.

```
.text, #text, p{  
    color:rgb(47, 233, 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, 233, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 233, 190) }
```

Border

The CSS property to change the border of an element to RYB 47, 152, 233 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, 233, 190) }
```

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

```
.border{ border-color:rgb(47, 233, 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, 233, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 233, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 233, 190);  
box-shadow:4px 4px 4px 4px rgb(47, 233,  
190) }
```

Background

The CSS property to change the background color of an element to RYB 47, 152, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 233, 190) }
```

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

```
.background{ background-color: rgb(47, 233,  
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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