

Converting Colors

RGB(47, 187, 75)

Have a look what the booklet for
RGB(47, 187, 75) contains.

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Color

RGB(47, 187, 75)

Conversions

Conversions Part 1

Format	Color
Hex	2FBB4B
RGB	47, 187, 75
RGB Percent	18%, 73%, 29%
CMY	0.8157, 0.2667, 0.7059
CMYK	0.75, 0.00, 0.60, 0.27
HSL	132°, 60%, 46%
HSV	132°, 75%, 73%
XYZ	20.2126, 36.6530, 12.6660
YIQ	132.3720, -47.4880, -64.5120

Conversions

Conversions Part 2

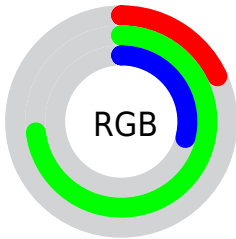
Format	Color
RYB	47, 164, 187
Decimal	3128139
CIELab	67.02, -59.38, 45.50
CIELCh	67, 74.809, 142.540
Yxy	36.6530, 0.2907, 0.5271
Android (android.graphics.Color)	4281318219 (0xFF2FBB4B)
YUV	132.3720, -28.2844, -74.8712
Hunter-Lab	60.5417, -46.3535, 29.9750

Details

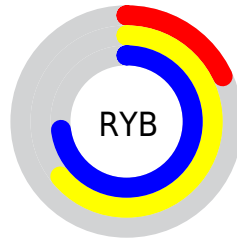
The RGB color **47, 187, 75** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **187, 47, 159**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **114, 244, 127**, and **0, 132, 21** is the 20% darker color. If you saturate the color by 10%, you get **28, 187, 60**, and if you desaturate by 10%, it is **66, 187, 90**.

Distribution



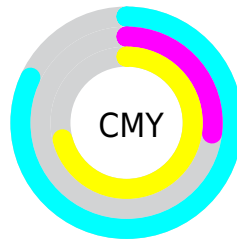
- Red (18%)
- Green (73%)
- Blue (29%)



- Red (18%)
- Yellow (64%)
- Blue (73%)



- Cyan (75%)
- Magenta (0%)
- Yellow (60%)
- Black (27%)





- Cyan (82%)
- Magenta (27%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RGB color 47, 187, 75 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 RGB color 47, 187, 75 by changing the saturation by 10% instead.

 47, 187, 75	 47, 187, 75
255, 255, 255	 0, 159, 49
 114, 244, 127	 0, 132, 21
 144, 255, 154	 0, 106, 0
 174, 255, 182	 0, 80, 0
 204, 255, 210	 0, 56, 0
 235, 255, 239	 0, 32, 0
	 0, 0, 0

 47, 187, 75	 47, 187, 75
 28, 187, 60	 66, 187, 90

■ 10, 187, 45

■ 84, 187, 105

■ 0, 187, 37

■ 103, 187, 120

■ 122, 187, 135

■ 141, 187, 150

■ 159, 187, 165

■ 178, 187, 180

■ 197, 187, 195

■ 215, 187, 210

Harmonies

Analogous

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



146, 175, 0



47, 187, 75



0, 193, 143

Triad

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



47, 187, 75



0, 176, 255



255, 98, 116

Complementary

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



47, 187, 75



187, 47, 159

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, 95, 183



47, 187, 75



127, 152, 255

Square

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



47, 187, 75



0, 189, 255



227, 121, 246



255, 126, 54

Rectangle

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



47, 187, 75



0, 194, 190



227, 121, 246



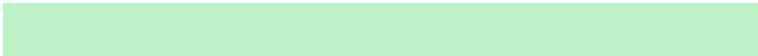
255, 93, 138

Sweetspot

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



47, 187, 75



189, 242, 200



159, 187, 47



91, 122, 97



250, 250, 250



122, 122, 122

Same Dimension

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



47, 187, 75



24, 242, 68



47, 187, 145



85, 94, 87



0, 158, 32



0, 31, 6

Inverse Universe

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



187, 47, 159



242, 24, 199



187, 47, 89



94, 85, 92



158, 0, 126



31, 0, 24

Previews

White Background



This preview shows how the RGB color 47, 187, 75 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 RGB color 47, 187, 75 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

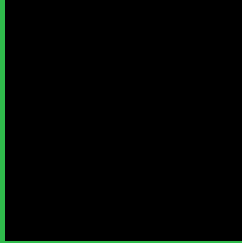
Any Text WCAG AA ✓ Pass

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, 187, 75 Background



This preview shows how black text looks on a background with the RGB color 47, 187, 75.

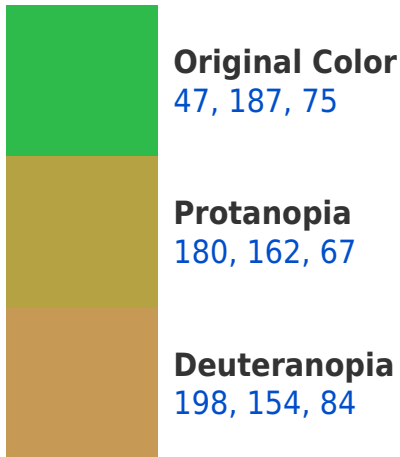


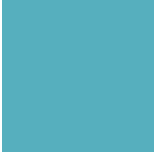
This preview shows how white text looks on a background with the RGB color 47, 187, 75.

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
86, 175, 190

Trichromacy



Original Color

47, 187, 75



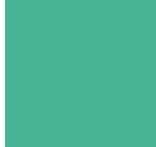
Protanomaly

132, 171, 70



Deuteranomaly

143, 166, 81



Tritanomaly

72, 179, 148

Monochromacy



Original Color

47, 187, 75



Achromatopsia

132, 132, 132



Achromatomaly

101, 152, 111

CSS Examples

Text

The CSS property to change the color of the text to RGB 47, 187, 75 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, 187, 75)` looks like.

```
.text, #text, p{  
    color:rgb(47, 187, 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(47, 187, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 187, 75) }
```

Border

The CSS property to change the border of an element to RGB 47, 187, 75 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, 187, 75) }
```

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

```
.border{ border-color:rgb(47, 187, 75) }
```

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

Here you see how a box with a 4 pixel rgb(47, 187, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 187, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 187, 75);  
box-shadow:4px 4px 4px 4px rgb(47, 187,  
75) }
```

Background

The CSS property to change the background color of an element to RGB 47, 187, 75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 187, 75) }
```

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

```
.background{ background-color: rgb(47, 187,  
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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