

Converting Colors

`RYB(245, 176, 107)`

Have a look what the booklet for
RYB(245, 176, 107) contains.

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Color

R_YB(245, 176, 107)

Conversions

Conversions Part 1

Format	Color
Hex	F5996B
RGB	245, 153, 107
RGB Percent	96%, 60%, 42%
CMY	0.0392, 0.4000, 0.5804
CMYK	0.00, 0.38, 0.56, 0.04
HSL	20°, 87%, 69%
HSV	20°, 56%, 96%
XYZ	51.7013, 43.2565, 19.5343
YIQ	175.2640, 69.5980, 5.1980

Conversions

Conversions Part 2

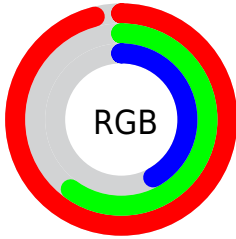
Format	Color
R _Y B	245, 176, 107
Decimal	16095595
CIE Lab	71.73, 30.01, 38.46
CIE LCh	72, 48.782, 52.030
Yxy	43.2565, 0.4516, 0.3778
Android (android.graphics.Color)	4294285675 (0xFFFF5996B)
YUV	175.2640, -33.6542, 61.1585
Hunter-Lab	65.7697, 25.2212, 28.4290

Details

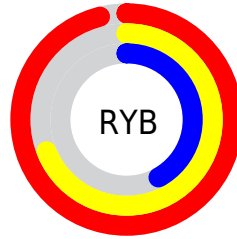
The RYB color **245, 176, 107** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **107, 162, 245**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **251, 255, 159**, and **185, 123, 58** is the 20% darker color. If you saturate the color by 10%, you get **245, 165, 82**, and if you desaturate by 10%, it is **245, 187, 132**.

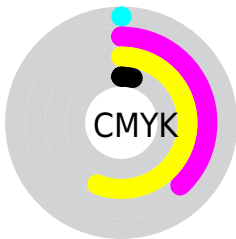
Distribution



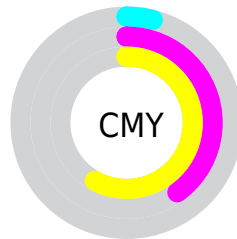
- Red (96%)
- Green (60%)
- Blue (42%)



- Red (96%)
- Yellow (69%)
- Blue (42%)



- Cyan (0%)
- Magenta (38%)
- Yellow (56%)
- Black (4%)



- Cyan (4%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 245, 176, 107 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 245, 176, 107 by changing the saturation by 10% instead.

 245, 176, 107

255, 255, 255

 251, 255, 159

 212, 255, 186

 214, 255, 214

 243, 255, 243

 245, 176, 107

 215, 150, 82

 185, 123, 58

 155, 97, 35

 126, 75, 11

 98, 39, 0

 70, 3, 0

 45, 0, 0

 0, 0, 0

 245, 176, 107

 245, 176, 107

■ 245, 165, 82

■ 245, 187, 132

■ 245, 151, 58

■ 245, 201, 156

■ 245, 140, 33

■ 245, 213, 180

■ 245, 128, 9

■ 245, 224, 205

■ 245, 123, 0

■ 245, 239, 229

■ 245, 249, 254

■ 245, 250, 255

Harmonies

Analogous

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



255, 141, 145



245, 176, 107



153, 213, 86

Triad

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



245, 176, 107



32, 125, 198



161, 168, 255

Complementary

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



245, 176, 107



107, 162, 245

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.



68, 140, 255



245, 176, 107



0, 101, 208

Square

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



245, 176, 107



118, 192, 193



0, 108, 245



220, 152, 231

Rectangle

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



245, 176, 107



92, 185, 86



0, 108, 245



135, 164, 255

Sweetspot

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



245, 176, 107



255, 233, 212



245, 107, 199



128, 116, 102



0, 0, 0



128, 128, 128

Same Dimension

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



245, 176, 107



255, 167, 82



138, 245, 107



122, 116, 110



186, 93, 0



59, 30, 0

Inverse Universe

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



107, 162, 245



82, 151, 255



107, 127, 245



110, 115, 122



0, 74, 186



0, 23, 59

Previews

White Background



This preview shows how the RYB color 245, 176, 107 looks on a white background.

Color Contrast Check

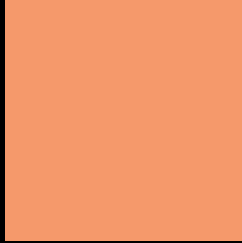
Large Text (above 18pt) WCAG AA × Fail

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 245, 176, 107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

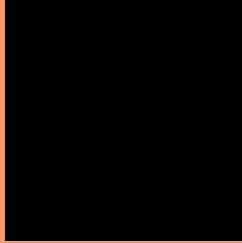
Any Text WCAG AA ✓ Pass

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 245, 176, 107 Background



This preview shows how black text looks on a background with the RYB color 245, 176, 107.



This preview shows how white text looks on a background with the RYB color 245, 176, 107.

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



Original Color
245, 176, 107

Protanopia
135, 191, 116

Deuteranopia
183, 214, 104



Tritanopia
249, 147, 157

Trichromacy



Original Color
245, 176, 107

Protanomaly
190, 211, 113

Deuteranomaly
225, 217, 105

Tritanomaly
248, 150, 139

Monochromacy



Original Color
245, 176, 107

Achromatopsia
175, 175, 175

Achromatomaly
200, 176, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 245, 176, 107 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(245, 153, 107)` looks like.

```
.text, #text, p{  
    color:rgb(245, 153, 107)  
}
```

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(245, 153, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 153, 107) }
```

Border

The CSS property to change the border of an element to RYB 245, 176, 107 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(245, 153, 107) }
```

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

```
.border{ border-color:rgb(245, 153, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 153, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 153, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 153, 107);  
box-shadow:4px 4px 4px 4px rgb(245, 153,  
107) }
```

Background

The CSS property to change the background color of an element to RYB 245, 176, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 153, 107) }
```

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

```
.background{ background-color: rgb(245,  
153, 107) }
```

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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