

Converting Colors

`RYB(255, 194, 118)`

Have a look what the booklet for
RYB(255, 194, 118) contains.

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Color

R_YB(255, 194, 118)

Conversions

Conversions Part 1

Format	Color
Hex	FFA776
RGB	255, 167, 118
RGB Percent	100%, 65%, 46%
CMY	0.0000, 0.3456, 0.5373
CMYK	0.00, 0.35, 0.54, 0.00
HSL	21°, 100%, 73%
HSV	21°, 54%, 100%
XYZ	58.3072, 50.1625, 23.7487
YIQ	187.7260, 68.1770, 3.4170

Conversions

Conversions Part 2

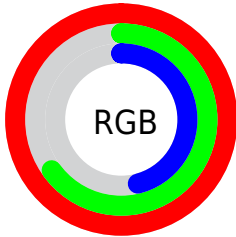
Format	Color
R_{YB}	255, 194, 118
Decimal	16754550
CIE Lab	76.17, 27.57, 38.52
CIE LCh	76, 47.369, 54.413
Yxy	50.1625, 0.4410, 0.3794
Android (android.graphics.Color)	4294944630 (0xFFFFA776)
YUV	187.7260, -34.3749, 58.9993
Hunter-Lab	70.8255, 23.0060, 29.6971

Details

The RYB color **255, 194, 118** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **118, 172, 255**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **223, 255, 171**, and **195, 140, 68** is the 20% darker color. If you saturate the color by 10%, you get **255, 181, 93**, and if you desaturate by 10%, it is **255, 204, 144**.

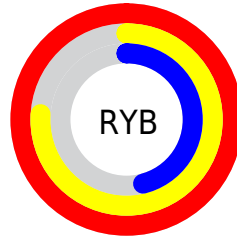
Distribution



Red (100%)

Green (65%)

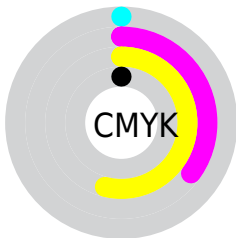
Blue (46%)



Red (100%)

Yellow (76%)

Blue (46%)

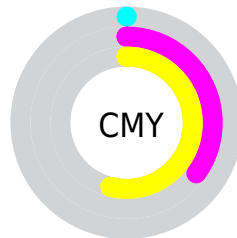


Cyan (0%)

Magenta (35%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 194, 118 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 255, 194, 118 by changing the saturation by 10% instead.

 255, 194, 118

255, 255, 255

 225, 255, 171


 202, 255, 198

 227, 255, 227

 255, 194, 118

 225, 166, 93

 195, 140, 68

 165, 114, 45

 136, 91, 22

 108, 69, 0

 80, 23, 0

 53, 0, 0

 23, 0, 0

 0, 0, 0

■ 255, 194, 118

■ 255, 194, 118

■ 255, 181, 93

■ 255, 204, 144

■ 255, 171, 67

■ 255, 217, 169

■ 255, 160, 42

■ 255, 227, 195

■ 255, 148, 16

■ 255, 238, 220

■ 255, 141, 0

■ 255, 251, 246

255, 255, 255

Harmonies

Analogous

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



255, 155, 154



255, 194, 118



158, 222, 99

Triad

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



255, 194, 118



54, 141, 210



180, 180, 255

Complementary

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



255, 194, 118



118, 172, 255

Split Complementary

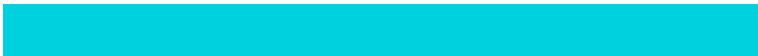
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100, 159, 255



255, 194, 118



0, 108, 223

Square

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



255, 194, 118



127, 198, 205



0, 114, 255



235, 163, 239

Rectangle

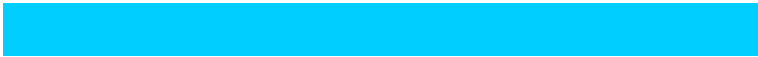
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



255, 194, 118



103, 194, 101



0, 114, 255



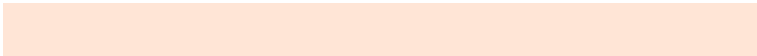
156, 178, 255

Sweetspot

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



255, 194, 118



255, 238, 214



255, 118, 207



128, 117, 103



0, 0, 0



128, 128, 128

Same Dimension

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



255, 194, 118



255, 182, 92



143, 255, 118



128, 121, 115



191, 106, 0



64, 36, 0

Inverse Universe

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



118, 172, 255



92, 156, 255



118, 136, 255



115, 120, 128



0, 75, 191



0, 25, 64

Previews

White Background



This preview shows how the RYB color 255, 194, 118 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 255, 194, 118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

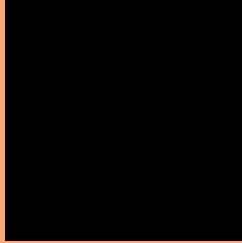
Any Text WCAG AA ✓ Pass

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 255, 194, 118 Background



This preview shows how black text looks on a background with the RYB color 255, 194, 118.

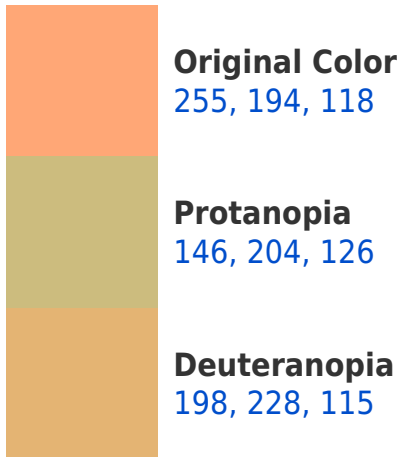



This preview shows how white text looks on a background with the RYB color 255, 194, 118.

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





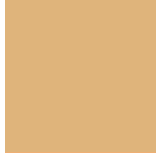
Tritanopia
255, 162, 173

Trichromacy



Original Color

255, 194, 118



Protanomaly

198, 223, 123



Deuteranomaly

238, 230, 116



Tritanomaly

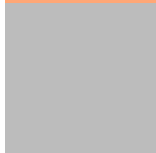
255, 165, 153

Monochromacy



Original Color

255, 194, 118



Achromatopsia

188, 188, 188



Achromatomaly

212, 189, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 194, 118 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(255, 167, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 118)  
}
```

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(255, 167, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 118) }
```

Border

The CSS property to change the border of an element to RYB 255, 194, 118 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(255, 167, 118) }
```

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

```
.border{ border-color:rgb(255, 167, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 255, 194, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 118) }
```

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

```
.background{ background-color: rgb(255,  
167, 118) }
```

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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