

Converting Colors

`RYB(218, 169, 78)`

Have a look what the booklet for
RYB(218, 169, 78) contains.

RYB(218, 169, 78)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

$\text{RYB}(218, 169, 78)$

Conversions

Conversions Part 1

Format	Color
Hex	DA854E
RGB	218, 133, 78
RGB Percent	85%, 52%, 31%
CMY	0.1451, 0.4778, 0.6941
CMYK	0.00, 0.39, 0.64, 0.15
HSL	24°, 65%, 58%
HSV	24°, 64%, 85%
XYZ	38.6969, 32.2721, 11.3973
YIQ	152.1450, 68.3150, 0.9150

Conversions

Conversions Part 2

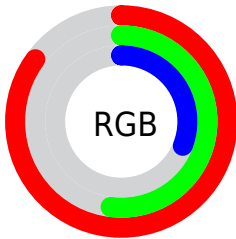
Format	Color
R _Y B	218, 169, 78
Decimal	14320974
CIE Lab	63.57, 27.62, 42.93
CIE LCh	64, 51.045, 57.244
Yxy	32.2721, 0.4698, 0.3918
Android (android.graphics.Color)	4292511054 (0xFFDA854E)
YUV	152.1450, -36.5535, 57.7548
Hunter-Lab	56.8085, 22.1759, 27.8708

Details

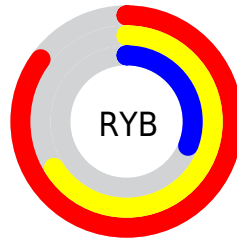
The RYB color **218, 169, 78** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **78, 131, 218**, and the grayscale version is **153, 153, 153**.

A 20% lighter version of the original color is **255, 236, 129**, and **158, 120, 30** is the 20% darker color. If you saturate the color by 10%, you get **218, 162, 56**, and if you desaturate by 10%, it is **218, 175, 100**.

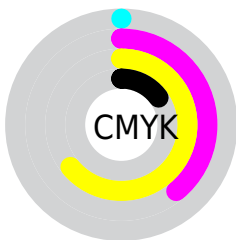
Distribution



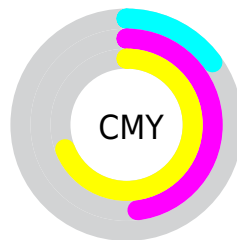
- Red (85%)
- Green (52%)
- Blue (31%)



- Red (85%)
- Yellow (66%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (64%)
- Black (15%)



- Cyan (15%)
- Magenta (48%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 218, 169, 78 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 218, 169, 78 by changing the saturation by 10% instead.



218, 169, 78



218, 169, 78

255, 255, 255



188, 142, 54



255, 236, 129



158, 120, 30



222, 255, 155



129, 102, 4



196, 255, 182



101, 54, 0



210, 255, 210



73, 14, 0



239, 255, 239



47, 0, 0



0, 0, 0



218, 169, 78



218, 169, 78



218, 162, 56



218, 175, 100

218, 155, 34

218, 185, 122

218, 147, 13

218, 193, 143

218, 142, 0

218, 200, 165

218, 207, 187

218, 214, 209

218, 223, 231

218, 231, 252

218, 236, 255

Harmonies

Analogous

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



237, 118, 115



218, 169, 78



104, 183, 59

Triad

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



218, 169, 78



0, 96, 176



149, 144, 235

Complementary

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



218, 169, 78



78, 131, 218

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.



43, 117, 245



218, 169, 78



0, 92, 194

Square

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



218, 169, 78



80, 154, 172



0, 98, 230



206, 126, 204

Rectangle

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



218, 169, 78



62, 160, 68



0, 98, 230



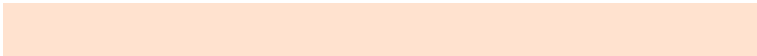
123, 145, 241

Sweetspot

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



218, 169, 78



255, 238, 207



218, 78, 164



128, 118, 98



0, 0, 0



128, 128, 128

Same Dimension

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



218, 169, 78



255, 186, 59



96, 218, 78



110, 105, 99



173, 112, 0



46, 30, 0

Inverse Universe

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



78, 131, 218



59, 133, 255



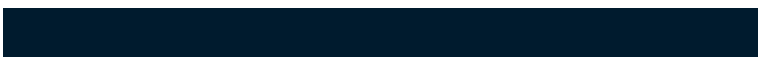
78, 92, 218



99, 103, 110



0, 65, 173



0, 17, 46

Previews

White Background



This preview shows how the RYB color 218, 169, 78 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 218, 169, 78 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

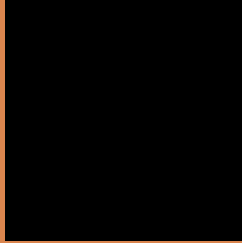
Any Text WCAG AA ✓ Pass

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 218, 169, 78 Background



This preview shows how black text looks on a background with the RYB color 218, 169, 78.



This preview shows how white text looks on a background with the RYB color 218, 169, 78.

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
218, 169, 78

Protanopia
105, 170, 85

Deuteranopia
144, 190, 75



Tritanopia
222, 126, 136

Trichromacy



Original Color

218, 169, 78

Protanomaly

149, 187, 82

Deuteranomaly

185, 200, 76

Tritanomaly

221, 131, 115

Monochromacy



Original Color

218, 169, 78

Achromatopsia

152, 152, 152

Achromatomaly

176, 158, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 218, 169, 78 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(218, 133, 78)` looks like.

```
.text, #text, p{  
    color:rgb(218, 133, 78)  
}
```

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(218, 133, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 133, 78) }
```

Border

The CSS property to change the border of an element to RYB 218, 169, 78 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(218, 133, 78) }
```

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

```
.border{ border-color:rgb(218, 133, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 133, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 133, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 133, 78);  
box-shadow:4px 4px 4px 4px rgb(218, 133,  
78) }
```

Background

The CSS property to change the background color of an element to RGB 218, 133, 78 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 133, 78) }
```

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

```
.background{ background-color: rgb(218,  
133, 78) }
```

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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