

Converting Colors

`RYB(222, 209, 117)`

Have a look what the booklet for
RYB(222, 209, 117) contains.

RYB(222, 209, 117)	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

RYB(222, 209, 117)

Conversions

Conversions Part 1

Format	Color
Hex	DEA675
RGB	222, 166, 117
RGB Percent	87%, 65%, 46%
CMY	0.1294, 0.3489, 0.5412
CMYK	0.00, 0.25, 0.47, 0.13
HSL	28°, 61%, 66%
HSV	28°, 47%, 87%
XYZ	46.9778, 44.0993, 22.8656
YIQ	177.1580, 49.1050, -3.3670

Conversions

Conversions Part 2

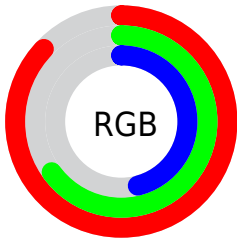
Format	Color
R_{YB}	222, 209, 117
Decimal	14591605
CIE Lab	72.29, 14.74, 33.35
CIE LCh	72, 36.467, 66.152
Yxy	44.0993, 0.4123, 0.3870
Android (android.graphics.Color)	4292781685 (0xFFDEA675)
YUV	177.1580, -29.6579, 39.3264
Hunter-Lab	66.4073, 10.0614, 26.0701

Details

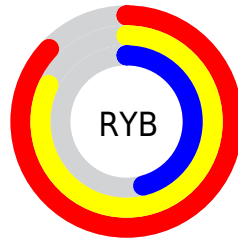
The RYB color **222, 209, 117** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **117, 154, 222**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **227, 255, 170**, and **164, 156, 68** is the 20% darker color. If you saturate the color by 10%, you get **222, 205, 95**, and if you desaturate by 10%, it is **222, 213, 139**.

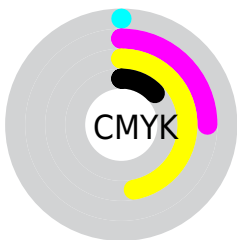
Distribution



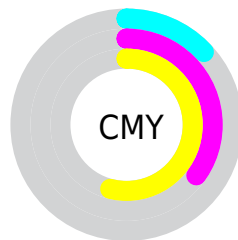
- Red (87%)
- Green (65%)
- Blue (46%)



- Red (87%)
- Yellow (82%)
- Blue (46%)



- Cyan (0%)
- Magenta (25%)
- Yellow (47%)
- Black (13%)



- Cyan (13%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 222, 209, 117 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 222, 209, 117 by changing the saturation by 10% instead.

 222, 209, 117

255, 255, 255

 227, 255, 170

 202, 255, 197

 225, 255, 225

254, 255, 254

 222, 209, 117

 193, 183, 92

 164, 156, 68

 137, 135, 44

 107, 109, 22

 74, 83, 0

 57, 39, 0

 33, 0, 0

 0, 0, 0

 222, 209, 117

 222, 209, 117

■ 222, 205, 95

■ 222, 213, 139

■ 222, 202, 73

■ 222, 216, 161

■ 222, 203, 50

■ 222, 218, 184

■ 222, 199, 28

■ 222, 218, 206

■ 222, 196, 6

■ 222, 224, 228

■ 222, 196, 0

■ 222, 232, 250

■ 222, 237, 255

■ 222, 239, 255

Harmonies

Analogous

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



240, 159, 140



222, 209, 117



130, 193, 110

Triad

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



222, 209, 117



75, 138, 195



190, 166, 231

Complementary

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



222, 209, 117



117, 154, 222

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.



141, 168, 243



222, 209, 117



51, 127, 215

Square

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



222, 209, 117



117, 170, 193



87, 147, 237



225, 156, 205

Rectangle

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



222, 209, 117



116, 184, 130



87, 147, 237



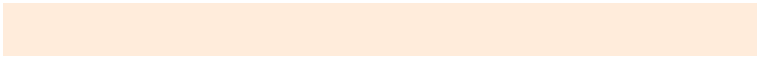
175, 170, 237

Sweetspot

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



222, 209, 117



255, 251, 219



222, 117, 173



128, 124, 106



0, 0, 0



128, 128, 128

Same Dimension

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



222, 209, 117



255, 238, 110



120, 222, 117



112, 110, 101



176, 154, 0



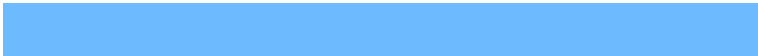
48, 44, 0

Inverse Universe

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



117, 154, 222



110, 160, 255



117, 120, 222



101, 105, 112



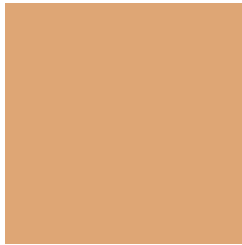
0, 61, 176



0, 17, 48

Previews

White Background



This preview shows how the RYB color 222, 209, 117 looks on a white background.

Color Contrast Check

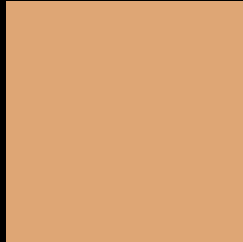
Large Text (above 18pt) WCAG AA × Fail

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 222, 209, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

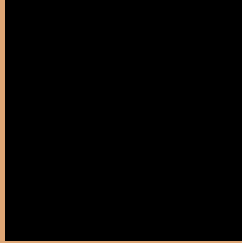
Any Text WCAG AA ✓ Pass

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](#).

R Y B 222, 209, 117 Background



This preview shows how black text looks on a background with the RYB color 222, 209, 117.



This preview shows how white text looks on a background with the RYB color 222, 209, 117.

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
222, 209, 117

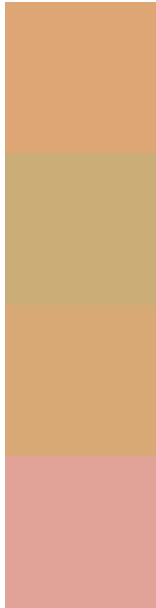
Protanopia
141, 192, 122

Deuteranopia
193, 213, 116



Tritanopia
227, 159, 171

Trichromacy



Original Color
222, 209, 117

Protanomaly
167, 203, 120

Deuteranomaly
205, 216, 116

Tritanomaly
225, 164, 151

Monochromacy



Original Color
222, 209, 117

Achromatopsia
177, 177, 177

Achromatomaly
193, 189, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 222, 209, 117 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(222, 166, 117)` looks like.

```
.text, #text, p{  
    color:rgb(222, 166, 117)  
}
```

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(222, 166, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 166, 117) }
```

Border

The CSS property to change the border of an element to RYB 222, 209, 117 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(222, 166, 117) }
```

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

```
.border{ border-color:rgb(222, 166, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 166, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 166, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 166, 117);  
box-shadow:4px 4px 4px 4px rgb(222, 166,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 222, 166, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 166, 117) }
```

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

```
.background{ background-color: rgb(222,  
166, 117) }
```

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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