

Converting Colors

`RYB(228, 211, 117)`

Have a look what the booklet for
RYB(228, 211, 117) contains.

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Color

R_YB(228, 211, 117)

Conversions

Conversions Part 1

Format	Color
Hex	E4A875
RGB	228, 168, 117
RGB Percent	89%, 66%, 46%
CMY	0.1059, 0.3416, 0.5412
CMYK	0.00, 0.26, 0.49, 0.11
HSL	28°, 67%, 68%
HSV	28°, 49%, 89%
XYZ	49.1895, 45.7458, 23.0669
YIQ	180.1260, 52.1310, -3.1410

Conversions

Conversions Part 2

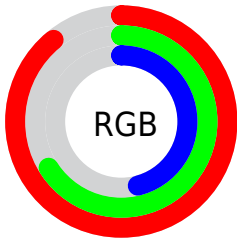
Format	Color
RYB	228, 211, 117
Decimal	14985333
CIELab	73.38, 16.17, 34.88
CIELCh	73, 38.445, 65.120
Yxy	45.7458, 0.4169, 0.3877
Android (android.graphics.Color)	4293175413 (0xFFE4A875)
YUV	180.1260, -31.1211, 41.9855
Hunter-Lab	67.6356, 11.4557, 27.1243

Details

The RYB color **228, 211, 117** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **117, 156, 228**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **221, 255, 170**, and **170, 159, 68** is the 20% darker color. If you saturate the color by 10%, you get **228, 209, 94**, and if you desaturate by 10%, it is **228, 213, 140**.

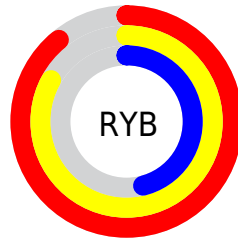
Distribution



Red (89%)

Green (66%)

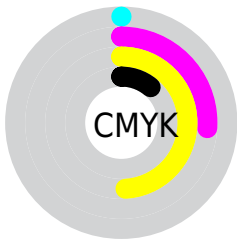
Blue (46%)



Red (89%)

Yellow (83%)

Blue (46%)

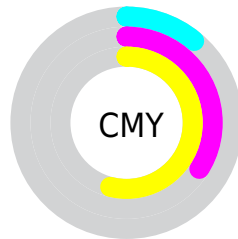


Cyan (0%)

Magenta (26%)

Yellow (49%)

Black (11%)



Cyan (11%)

Magenta (34%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 211, 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 228, 211, 117 by changing the saturation by 10% instead.

 228, 211, 117

255, 255, 255

 221, 255, 170

 200, 255, 197


 225, 255, 225

254, 255, 254


 228, 211, 117

 199, 182, 92

 170, 159, 68

 142, 134, 44

 114, 112, 21

 81, 87, 0


 61, 40, 0

 37, 0, 0

 0, 0, 0

 228, 211, 117

 228, 211, 117

 228, 209, 94


 228, 213, 140

 228, 204, 71

 228, 219, 163

 228, 200, 49

 228, 222, 185

 228, 198, 26

 228, 224, 208

 228, 193, 3

 228, 229, 231

 228, 195, 0

 228, 237, 254

 228, 241, 255

 228, 242, 255

Harmonies

Analogous

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



246, 160, 141



228, 211, 117



132, 198, 109

Triad

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



228, 211, 117



70, 138, 199



192, 169, 238

Complementary

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



228, 211, 117



117, 156, 228

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.



140, 170, 250



228, 211, 117



35, 122, 220

Square

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



228, 211, 117



117, 174, 197



79, 146, 243



230, 158, 211

Rectangle

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



228, 211, 117



115, 187, 129



79, 146, 243



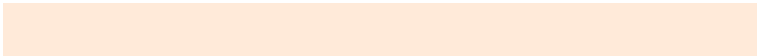
176, 173, 244

Sweetspot

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



228, 211, 117



255, 248, 217



228, 117, 178



128, 123, 105



0, 0, 0



128, 128, 128

Same Dimension

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



228, 211, 117



255, 233, 107



123, 228, 117



115, 115, 103



179, 151, 0



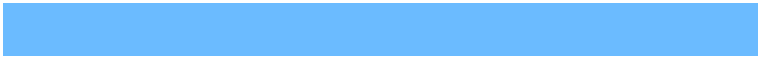
51, 42, 0

Inverse Universe

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



117, 156, 228



107, 159, 255



117, 123, 228



103, 107, 115



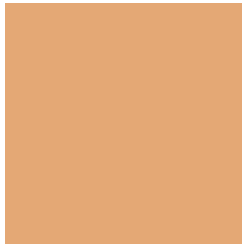
0, 63, 179



0, 18, 51

Previews

White Background



This preview shows how the RYB color 228, 211, 117 looks on a white background.

Color Contrast Check

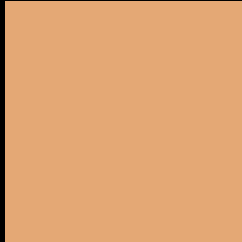
Large Text (above 18pt) WCAG AA × Fail

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 228, 211, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

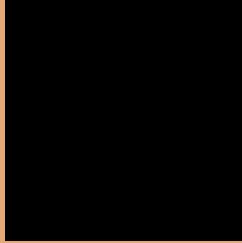
Any Text WCAG AA ✓ Pass

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 228, 211, 117 Background



This preview shows how black text looks on a background with the RYB color 228, 211, 117.



This preview shows how white text looks on a background with the RYB color 228, 211, 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
228, 211, 117

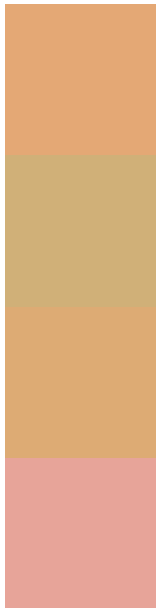
Protanopia
142, 196, 122

Deuteranopia
194, 217, 116



Tritanopia
233, 161, 173

Trichromacy



Original Color
228, 211, 117

Protanomaly
170, 208, 120

Deuteranomaly
211, 221, 116

Tritanomaly
231, 166, 153

Monochromacy



Original Color
228, 211, 117

Achromatopsia
180, 180, 180

Achromatomaly
197, 193, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 211, 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(228, 168, 117)` looks like.

```
.text, #text, p{  
    color:rgb(228, 168, 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(228, 168, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 168, 117) }
```

Border

The CSS property to change the border of an element to RYB 228, 211, 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(228, 168, 117) }
```

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

```
.border{ border-color:rgb(228, 168, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 168, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 168, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 168, 117);  
box-shadow:4px 4px 4px 4px rgb(228, 168,  
117) }
```

Background

The CSS property to change the background color of an element to RYB 228, 211, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 168, 117) }
```

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

```
.background{ background-color: rgb(228,  
168, 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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