

Converting Colors

`RYB(202, 228, 117)`

Have a look what the booklet for
RYB(202, 228, 117) contains.

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Color

R_YB(202, 228, 117)

Conversions

Conversions Part 1

Format	Color
Hex	E4B475
RGB	228, 180, 117
RGB Percent	89%, 71%, 46%
CMY	0.1059, 0.2947, 0.5412
CMYK	0.00, 0.21, 0.49, 0.11
HSL	34°, 67%, 68%
HSV	34°, 49%, 89%
XYZ	51.4993, 50.3653, 23.8368
YIQ	187.1700, 48.8310, -9.4170

Conversions

Conversions Part 2

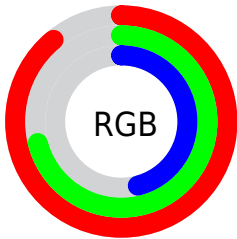
Format	Color
R _Y B	202, 228, 117
Decimal	14988405
CIE Lab	76.29, 9.81, 38.59
CIE LCh	76, 39.814, 75.739
Yxy	50.3653, 0.4097, 0.4007
Android (android.graphics.Color)	4293178485 (0xFFE4B475)
YUV	187.1700, -34.5938, 35.8079
Hunter-Lab	70.9685, 5.3361, 29.7637

Details

The RYB color **202, 228, 117** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **117, 151, 228**, and the grayscale version is **187, 187, 187**.

A 20% lighter version of the original color is **194, 255, 170**, and **141, 170, 67** is the 20% darker color. If you saturate the color by 10%, you get **196, 228, 94**, and if you desaturate by 10%, it is **207, 228, 140**.

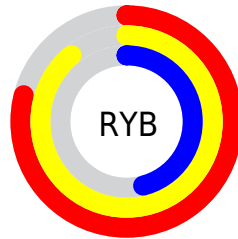
Distribution



Red (89%)

Green (71%)

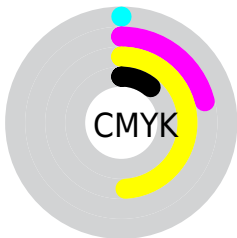
Blue (46%)



Red (79%)

Yellow (89%)

Blue (46%)

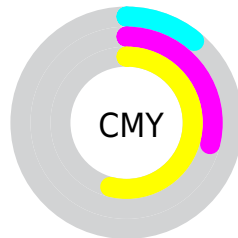


Cyan (0%)

Magenta (21%)

Yellow (49%)

Black (11%)



Cyan (11%)

Magenta (29%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 228, 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 202, 228, 117 by changing the saturation by 10% instead.

 202, 228, 117

255, 255, 255


 194, 255, 170


 198, 255, 198


 226, 255, 226

 202, 228, 117


 173, 199, 92

 141, 170, 67

 110, 142, 43

 79, 115, 19

 50, 88, 0

 51, 62, 0

 37, 23, 0


 0, 0, 0

 202, 228, 117

 202, 228, 117

 196, 228, 94

 207, 228, 140

 191, 228, 71

 212, 228, 163

 187, 228, 49

 216, 228, 185

 182, 228, 26

 224, 228, 208

 177, 228, 3

 228, 229, 231

 175, 228, 0

 228, 236, 254

 228, 240, 255

 228, 242, 255

Harmonies

Analogous

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



252, 179, 137



202, 228, 117



117, 193, 116

Triad

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



202, 228, 117



55, 132, 208



217, 172, 240

Complementary

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



202, 228, 117



117, 151, 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.



167, 182, 255



202, 228, 117



45, 133, 240

Square

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



202, 228, 117



105, 168, 207



105, 162, 255



249, 162, 207

Rectangle

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



202, 228, 117



127, 199, 160



105, 162, 255



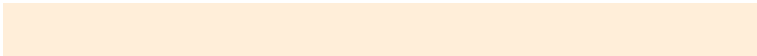
202, 176, 248

Sweetspot

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



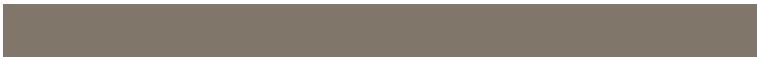
202, 228, 117



248, 255, 217



228, 117, 167



123, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



202, 228, 117



220, 255, 107



117, 228, 123



112, 115, 103



138, 179, 0



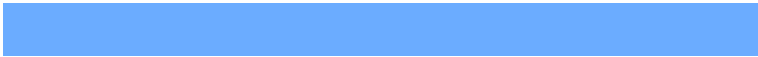
39, 51, 0

Inverse Universe

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



117, 151, 228



107, 152, 255



123, 117, 228



103, 107, 115



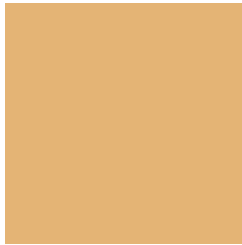
0, 54, 179



0, 15, 51

Previews

White Background



This preview shows how the RYB color 202, 228, 117 looks on a white background.

Color Contrast Check

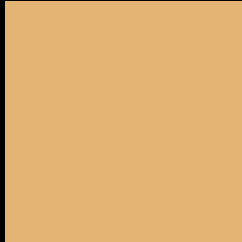
Large Text (above 18pt) WCAG AA × Fail

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 202, 228, 117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

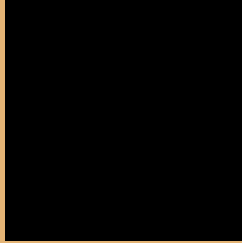
Any Text WCAG AA ✓ Pass

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](#).

RYB 202, 228, 117 Background



This preview shows how black text looks on a background with the RYB color 202, 228, 117.



This preview shows how white text looks on a background with the RYB color 202, 228, 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
202, 228, 117

Protanopia
141, 205, 120

Deuteranopia
202, 228, 117



Tritanopia
234, 171, 185

Trichromacy



Original Color
202, 228, 117

Protanomaly
159, 213, 119

Deuteranomaly
202, 228, 117

Tritanomaly
232, 177, 160

Monochromacy



Original Color
202, 228, 117

Achromatopsia
187, 187, 187

Achromatomaly
195, 202, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 228, 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, 180, 117)` looks like.

```
.text, #text, p{  
    color:rgb(228, 180, 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, 180, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 180, 117) }
```

Border

The CSS property to change the border of an element to RYB 202, 228, 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, 180, 117) }
```

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

```
.border{ border-color:rgb(228, 180, 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, 180, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 180, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 180, 117);  
box-shadow:4px 4px 4px 4px rgb(228, 180,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 202, 228, 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, 180, 117) }
```

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

```
.background{ background-color: rgb(228,  
180, 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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