

Converting Colors

`RYB(230, 228, 119)`

Have a look what the booklet for
RYB(230, 228, 119) contains.

RYB(230, 228, 119)	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

R_YB(230, 228, 119)

Conversions

Conversions Part 1

Format	Color
Hex	E6AE77
RGB	230, 174, 119
RGB Percent	90%, 68%, 47%
CMY	0.0980, 0.3177, 0.5333
CMYK	0.00, 0.24, 0.48, 0.10
HSL	30°, 69%, 68%
HSV	30°, 48%, 90%
XYZ	51.0981, 48.4253, 24.1066
YIQ	184.4740, 51.0310, -5.2330

Conversions

Conversions Part 2

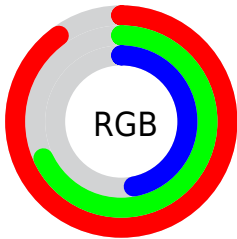
Format	Color
R _Y B	230, 228, 119
Decimal	15117943
CIE Lab	75.09, 13.92, 36.06
CIE LCh	75, 38.658, 68.893
Yxy	48.4253, 0.4133, 0.3917
Android (android.graphics.Color)	4293308023 (0xFFE6AE77)
YUV	184.4740, -32.2787, 39.9263
Hunter-Lab	69.5883, 9.2916, 28.1727

Details

The RYB color **230, 228, 119** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **119, 156, 230**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **210, 255, 172**, and **166, 172, 69** is the 20% darker color. If you saturate the color by 10%, you get **230, 226, 96**, and if you desaturate by 10%, it is **230, 230, 142**.

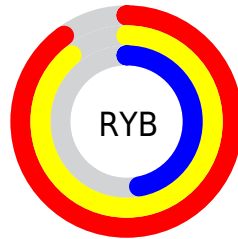
Distribution



Red (90%)

Green (68%)

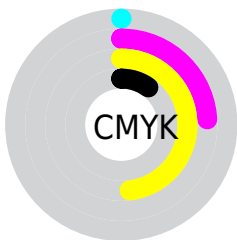
Blue (47%)



Red (90%)

Yellow (89%)

Blue (47%)

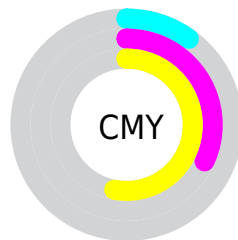


Cyan (0%)

Magenta (24%)

Yellow (48%)

Black (10%)



Cyan (10%)

Magenta (32%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 230, 228, 119 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 230, 228, 119 by changing the saturation by 10% instead.

 230, 228, 119


255, 255, 255

 210, 255, 172


 199, 255, 199


 228, 255, 228

 230, 228, 119

 201, 199, 94

 166, 172, 69

 136, 144, 46

 101, 116, 22

 69, 89, 0


 63, 54, 0

 38, 9, 0

 0, 0, 0

 230, 228, 119


 230, 228, 119

 230, 226, 96

 230, 230, 142

 230, 228, 73

 230, 228, 165

 230, 226, 50

 230, 230, 188

 230, 228, 27

 230, 228, 211

 230, 226, 4

 230, 231, 234

 230, 226, 0

 230, 239, 255

 230, 243, 255

Harmonies

Analogous

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



250, 168, 142



230, 228, 119



128, 198, 114

Triad

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



230, 228, 119



69, 139, 204



203, 172, 240

Complementary

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



230, 228, 119



119, 156, 230

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.



151, 177, 255



230, 228, 119



44, 129, 228

Square

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



230, 228, 119



116, 174, 202



91, 154, 251



238, 161, 211

Rectangle

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



230, 228, 119



121, 193, 141



91, 154, 251



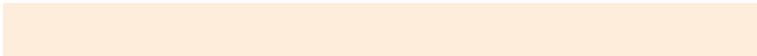
187, 176, 247

Sweetspot

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



230, 228, 119



255, 255, 219



230, 119, 176



128, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



230, 228, 119



255, 251, 107



121, 230, 119



115, 115, 103



179, 173, 0



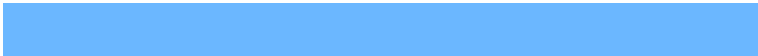
51, 49, 0

Inverse Universe

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



119, 156, 230



107, 157, 255



119, 121, 230



103, 107, 115



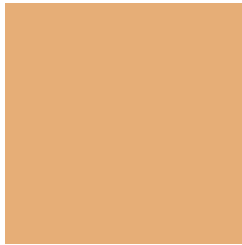
0, 60, 179



0, 17, 51

Previews

White Background



This preview shows how the RYB color 230, 228, 119 looks on a white background.

Color Contrast Check

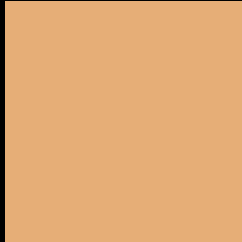
Large Text (above 18pt) WCAG AA × Fail

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 230, 228, 119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

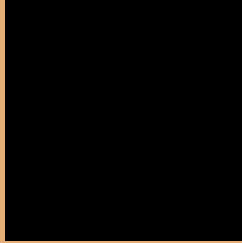
Any Text WCAG AA ✓ Pass

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 230, 228, 119 Background



This preview shows how black text looks on a background with the RYB color 230, 228, 119.



This preview shows how white text looks on a background with the RYB color 230, 228, 119.

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
230, 228, 119

Protanopia
143, 201, 123

Deuteranopia
200, 223, 118



Tritanopia
235, 166, 179

Trichromacy



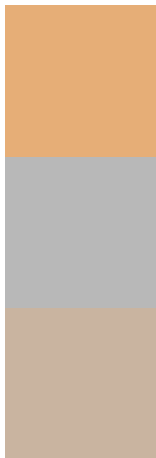
Original Color
230, 228, 119

Protanomaly
169, 212, 122

Deuteranomaly
211, 226, 118

Tritanomaly
233, 171, 157

Monochromacy



Original Color
230, 228, 119

Achromatopsia
184, 184, 184

Achromatomaly
201, 199, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 228, 119 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(230, 174, 119)` looks like.

```
.text, #text, p{  
    color:rgb(230, 174, 119)  
}
```

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(230, 174, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 174, 119) }
```

Border

The CSS property to change the border of an element to RYB 230, 228, 119 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(230, 174, 119) }
```

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

```
.border{ border-color:rgb(230, 174, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 174, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 174, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 174, 119);  
box-shadow:4px 4px 4px 4px rgb(230, 174,  
119) }
```

Background

The CSS property to change the background color of an element to RYB 230, 228, 119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 174, 119) }
```

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

```
.background{ background-color: rgb(230,  
174, 119) }
```

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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