

Converting Colors

`RYB(224, 234, 117)`

Have a look what the booklet for
RYB(224, 234, 117) contains.

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Color

R_YB(224, 234, 117)

Conversions

Conversions Part 1

Format	Color
Hex	EAB275
RGB	234, 178, 117
RGB Percent	92%, 70%, 46%
CMY	0.0824, 0.3015, 0.5412
CMYK	0.00, 0.24, 0.50, 0.08
HSL	31°, 74%, 69%
HSV	31°, 50%, 92%
XYZ	53.0852, 50.6620, 23.8105
YIQ	187.7900, 52.9570, -7.0990

Conversions

Conversions Part 2

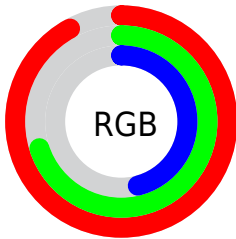
Format	Color
RYB	224, 234, 117
Decimal	15381109
CIELab	76.47, 13.17, 38.94
CIELCh	76, 41.110, 71.315
Yxy	50.6620, 0.4162, 0.3972
Android (android.graphics.Color)	4293571189 (0xFFEAB275)
YUV	187.7900, -34.8995, 40.5262
Hunter-Lab	71.1772, 8.5681, 29.9902

Details

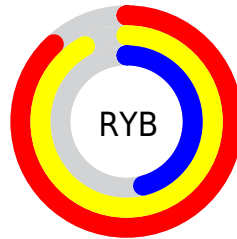
The RYB color **224, 234, 117** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **117, 155, 234**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **198, 255, 170**, and **163, 176, 67** is the 20% darker color. If you saturate the color by 10%, you get **222, 234, 94**, and if you desaturate by 10%, it is **226, 234, 140**.

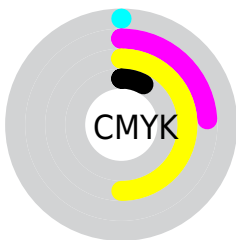
Distribution



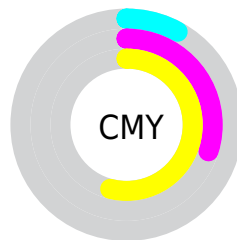
- Red (92%)
- Green (70%)
- Blue (46%)



- Red (88%)
- Yellow (92%)
- Blue (46%)



- Cyan (0%)
- Magenta (24%)
- Yellow (50%)
- Black (8%)



- Cyan (8%)
- Magenta (30%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 234, 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 224, 234, 117 by changing the saturation by 10% instead.

 224, 234, 117


255, 255, 255


 198, 255, 170

 198, 255, 198

 226, 255, 226

 224, 234, 117

 195, 205, 92

 163, 176, 67

 125, 147, 43

 94, 120, 19

 67, 93, 0

 66, 62, 0

 41, 17, 0

 0, 0, 0

 224, 234, 117

 224, 234, 117

■ 222, 234, 94

■ 226, 234, 140

■ 219, 234, 70

■ 230, 234, 164

■ 217, 234, 47

■ 228, 234, 187

■ 217, 234, 23

■ 232, 234, 211

■ 215, 234, 0

■ 234, 234, 234

■ 234, 241, 255

■ 234, 245, 255

Harmonies

Analogous

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



255, 174, 140



224, 234, 117



122, 199, 113

Triad

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



224, 234, 117



53, 133, 209



211, 174, 246

Complementary

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



224, 234, 117



117, 155, 234

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.



157, 180, 255



224, 234, 117



17, 119, 238

Square

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



224, 234, 117



110, 173, 207



90, 156, 255



248, 162, 214

Rectangle

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



224, 234, 117



122, 198, 148



90, 156, 255



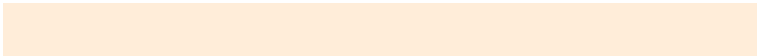
195, 178, 254

Sweetspot

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



224, 234, 117



251, 255, 217



234, 117, 174



126, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



224, 234, 117



242, 255, 102



117, 234, 119



115, 117, 106



164, 181, 0



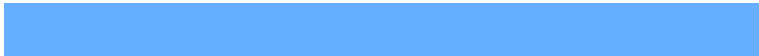
50, 54, 0

Inverse Universe

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



117, 155, 234



102, 151, 255



119, 117, 234



106, 109, 117



0, 58, 181



0, 18, 54

Previews

White Background



This preview shows how the RYB color 224, 234, 117 looks on a white background.

Color Contrast Check

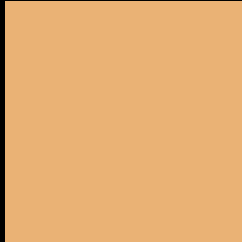
Large Text (above 18pt) WCAG AA × Fail

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 224, 234, 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 224, 234, 117 Background



This preview shows how black text looks on a background with the RYB color 224, 234, 117.



This preview shows how white text looks on a background with the RYB color 224, 234, 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
224, 234, 117

Protanopia
142, 206, 121

Deuteranopia
204, 229, 117



Tritanopia
240, 170, 183

Trichromacy



Original Color
224, 234, 117

Protanomaly
166, 216, 120

Deuteranomaly
213, 231, 117

Tritanomaly
238, 176, 159

Monochromacy



Original Color
224, 234, 117

Achromatopsia
188, 188, 188

Achromatomaly
203, 205, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 234, 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(234, 178, 117)` looks like.

```
.text, #text, p{  
    color:rgb(234, 178, 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(234, 178, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 178, 117) }
```

Border

The CSS property to change the border of an element to RYB 224, 234, 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(234, 178, 117) }
```

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

```
.border{ border-color:rgb(234, 178, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 178, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 178, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 178, 117);  
box-shadow:4px 4px 4px 4px rgb(234, 178,  
117) }
```

Background

The CSS property to change the background color of an element to RGB 234, 178, 117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 178, 117) }
```

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

```
.background{ background-color: rgb(234,  
178, 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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