

Converting Colors

`RYB(224, 224, 116)`

Have a look what the booklet for
RYB(224, 224, 116) contains.

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Color

R_YB(224, 224, 116)

Conversions

Conversions Part 1

Format	Color
Hex	E0AA74
RGB	224, 170, 116
RGB Percent	88%, 67%, 45%
CMY	0.1216, 0.3333, 0.5451
CMYK	0.00, 0.24, 0.48, 0.12
HSL	30°, 64%, 67%
HSV	30°, 48%, 88%
XYZ	48.2676, 45.8577, 22.8304
YIQ	179.9900, 49.5180, -5.3460

Conversions

Conversions Part 2

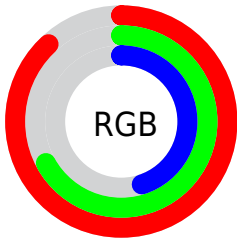
Format	Color
RYB	224, 224, 116
Decimal	14723700
CIELab	73.45, 13.34, 35.41
CIELCh	73, 37.840, 69.362
Yxy	45.8577, 0.4127, 0.3921
Android (android.graphics.Color)	4292913780 (0xFFE0AA74)
YUV	179.9900, -31.5471, 38.5968
Hunter-Lab	67.7183, 8.7224, 27.4139

Details

The RYB color **224, 224, 116** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **116, 152, 224**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **215, 255, 169**, and **160, 166, 67** is the 20% darker color. If you saturate the color by 10%, you get **224, 224, 94**, and if you desaturate by 10%, it is **224, 224, 138**.

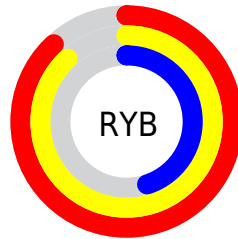
Distribution



Red (88%)

Green (67%)

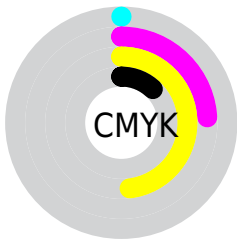
Blue (45%)



Red (88%)

Yellow (88%)

Blue (45%)

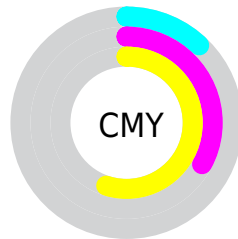


Cyan (0%)

Magenta (24%)

Yellow (48%)

Black (12%)



Cyan (12%)

Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 224, 224, 116 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, 224, 116 by changing the saturation by 10% instead.

 224, 224, 116

255, 255, 255


 215, 255, 169

 197, 255, 196


 224, 255, 224

253, 255, 253

 224, 224, 116

 191, 195, 91

 160, 166, 67

 129, 138, 43

 95, 111, 20

 69, 85, 0

 58, 47, 0

 35, 2, 0

 0, 0, 0

 224, 224, 116

 224, 224, 116

 224, 224, 94

 224, 224, 138

 222, 224, 71


 224, 222, 161

 224, 222, 49

 222, 224, 183

 224, 224, 26

 224, 224, 206

 224, 224, 4

 224, 225, 228

 224, 224, 0

 224, 233, 250

 224, 238, 255

 224, 240, 255

Harmonies

Analogous

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



244, 164, 138



224, 224, 116



124, 193, 111

Triad

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



224, 224, 116



67, 135, 199



199, 167, 234

Complementary

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



224, 224, 116



116, 152, 224

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.



149, 173, 249



224, 224, 116



44, 126, 223

Square

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



224, 224, 116



112, 168, 197



90, 151, 245



233, 157, 206

Rectangle

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



224, 224, 116



119, 189, 140



90, 151, 245



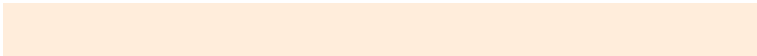
183, 172, 241

Sweetspot

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



224, 224, 116



255, 255, 219



224, 116, 170



128, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



224, 224, 116



255, 255, 107



116, 224, 116



110, 112, 101



176, 176, 0



48, 48, 0

Inverse Universe

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



116, 152, 224



107, 156, 255



116, 116, 224



101, 105, 112



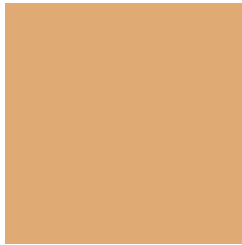
0, 59, 176



0, 16, 48

Previews

White Background



This preview shows how the RYB color 224, 224, 116 looks on a white background.

Color Contrast Check

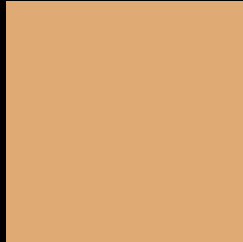
Large Text (above 18pt) WCAG AA × Fail

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, 224, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

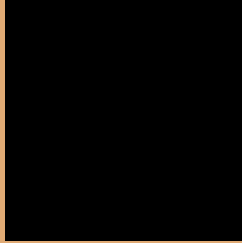
Any Text WCAG AA ✓ Pass

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, 224, 116 Background



This preview shows how black text looks on a background with the RYB color 224, 224, 116.



This preview shows how white text looks on a background with the RYB color 224, 224, 116.

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, 224, 116

Protanopia
139, 196, 120

Deuteranopia
195, 218, 115



Tritanopia
229, 163, 175

Trichromacy



Original Color

224, 224, 116

Protanomaly

163, 206, 119

Deuteranomaly

203, 220, 115

Tritanomaly

227, 168, 154

Monochromacy



Original Color

224, 224, 116

Achromatopsia

180, 180, 180

Achromatomaly

196, 194, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 224, 224, 116 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(224, 170, 116)` looks like.

```
.text, #text, p{  
    color:rgb(224, 170, 116)  
}
```

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(224, 170, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 170, 116) }
```

Border

The CSS property to change the border of an element to RYB 224, 224, 116 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(224, 170, 116) }
```

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

```
.border{ border-color:rgb(224, 170, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 170, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 170, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 170, 116);  
box-shadow:4px 4px 4px 4px rgb(224, 170,  
116) }
```

Background

The CSS property to change the background color of an element to RGB 224, 224, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 170, 116) }
```

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

```
.background{ background-color: rgb(224,  
170, 116) }
```

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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