

Converting Colors

`RYB(191, 217, 116)`

Have a look what the booklet for
RYB(191, 217, 116) contains.

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Color

R_YB(191, 217, 116)

Conversions

Conversions Part 1

Format	Color
Hex	D9AE74
RGB	217, 174, 116
RGB Percent	85%, 68%, 45%
CMY	0.1490, 0.3178, 0.5451
CMYK	0.00, 0.20, 0.47, 0.15
HSL	34°, 57%, 65%
HSV	34°, 47%, 85%
XYZ	46.8960, 46.2694, 22.9822
YIQ	180.2450, 44.2460, -8.9220

Conversions

Conversions Part 2

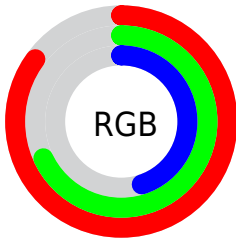
Format	Color
RYB	191, 217, 116
Decimal	14265972
CIELab	73.72, 8.37, 35.61
CIELCh	74, 36.580, 76.770
Yxy	46.2694, 0.4038, 0.3984
Android (android.graphics.Color)	4292456052 (0xFFD9AE74)
YUV	180.2450, -31.6728, 32.2341
Hunter-Lab	68.0216, 4.0251, 27.5831

Details

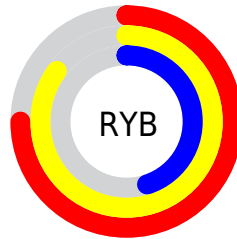
The RYB color **191, 217, 116** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **116, 146, 217**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **206, 255, 169**, and **130, 160, 66** is the 20% darker color. If you saturate the color by 10%, you get **184, 217, 94**, and if you desaturate by 10%, it is **198, 217, 138**.

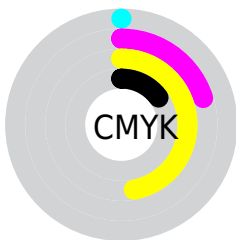
Distribution



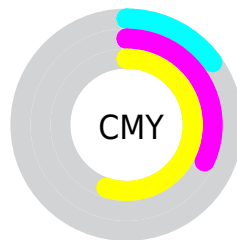
- Red (85%)
- Green (68%)
- Blue (45%)



- Red (75%)
- Yellow (85%)
- Blue (45%)



- Cyan (0%)
- Magenta (20%)
- Yellow (47%)
- Black (15%)



- Cyan (15%)
- Magenta (32%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 191, 217, 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 191, 217, 116 by changing the saturation by 10% instead.

 191, 217, 116

255, 255, 255

 206, 255, 169

 196, 255, 196


 224, 255, 224


253, 255, 253


 191, 217, 116

 191, 217, 116

 162, 188, 91

 130, 160, 66

 101, 132, 43

 70, 105, 19

 43, 79, 0

 43, 54, 0

 30, 8, 0

 0, 0, 0

 191, 217, 116

184, 217, 94

198, 217, 138

182, 217, 73

203, 217, 159

175, 217, 51

207, 217, 181

168, 217, 29

214, 217, 203

163, 217, 8

217, 219, 224

160, 217, 0

217, 225, 246

217, 231, 255

217, 234, 255

217, 236, 255

Harmonies

Analogous

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



239, 174, 134



191, 217, 116



116, 185, 116

Triad

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



191, 217, 116



66, 133, 199



209, 166, 227

Complementary

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



191, 217, 116



116, 146, 217

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.



164, 176, 245



191, 217, 116



63, 137, 229

Square

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



191, 217, 116



106, 162, 198



110, 160, 246



237, 157, 197

Rectangle

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



191, 217, 116



126, 191, 157



110, 160, 246



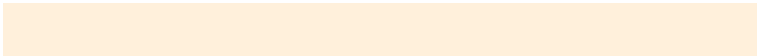
195, 170, 235

Sweetspot

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



191, 217, 116



245, 255, 219



217, 116, 160



124, 128, 106



0, 0, 0



128, 128, 128

Same Dimension

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



191, 217, 116



218, 255, 112



116, 217, 123



108, 110, 99



126, 173, 0



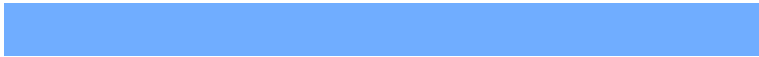
35, 46, 0

Inverse Universe

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



116, 146, 217



112, 155, 255



123, 116, 217



99, 102, 110



0, 52, 173



0, 14, 46

Previews

White Background



This preview shows how the RYB color 191, 217, 116 looks on a white background.

Color Contrast Check

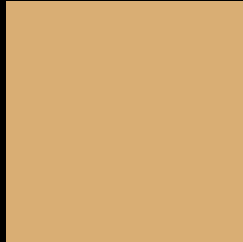
Large Text (above 18pt) WCAG AA × Fail

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 191, 217, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

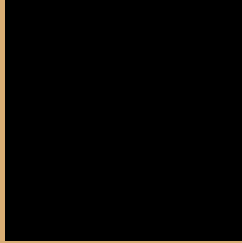
Any Text WCAG AA ✓ Pass

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 191, 217, 116 Background



This preview shows how black text looks on a background with the RYB color 191, 217, 116.



This preview shows how white text looks on a background with the RYB color 191, 217, 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
191, 217, 116

Protanopia
139, 197, 119

Deuteranopia
199, 219, 116



Tritanopia
223, 166, 179

Trichromacy



Original Color
191, 217, 116

Protanomaly
155, 204, 118

Deuteranomaly
197, 218, 116

Tritanomaly
221, 172, 156

Monochromacy



Original Color
191, 217, 116

Achromatopsia
180, 180, 180

Achromatomaly
183, 193, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 191, 217, 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(217, 174, 116)` looks like.

```
.text, #text, p{  
    color:rgb(217, 174, 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(217, 174, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 174, 116) }
```

Border

The CSS property to change the border of an element to RYB 191, 217, 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(217, 174, 116) }
```

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

```
.border{ border-color:rgb(217, 174, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 174, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 174, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 174, 116);  
box-shadow:4px 4px 4px 4px rgb(217, 174,  
116) }
```

Background

The CSS property to change the background color of an element to RYB 191, 217, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 174, 116) }
```

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

```
.background{ background-color: rgb(217,  
174, 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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