

Converting Colors

`RYB(196, 216, 107)`

Have a look what the booklet for
RYB(196, 216, 107) contains.

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Color

$\text{RYB}(196, 216, 107)$

Conversions

Conversions Part 1

Format	Color
Hex	D8A76B
RGB	216, 167, 107
RGB Percent	85%, 65%, 42%
CMY	0.1529, 0.3451, 0.5804
CMYK	0.00, 0.23, 0.50, 0.15
HSL	33°, 58%, 63%
HSV	33°, 50%, 85%
XYZ	44.7924, 43.2998, 19.9068
YIQ	174.8110, 48.4640, -8.2720

Conversions

Conversions Part 2

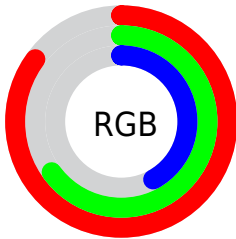
Format	Color
RYB	196, 216, 107
Decimal	14198635
CIELab	71.76, 10.83, 37.79
CIELCh	72, 39.316, 74.009
Yxy	43.2998, 0.4147, 0.4009
Android (android.graphics.Color)	4292388715 (0xFFD8A76B)
YUV	174.8110, -33.4308, 36.1228
Hunter-Lab	65.8025, 6.3521, 28.1252

Details

The RYB color **196, 216, 107** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **107, 141, 216**, and the grayscale version is **175, 175, 175**.

A 20% lighter version of the original color is **209, 255, 159**, and **136, 159, 58** is the 20% darker color. If you saturate the color by 10%, you get **192, 216, 85**, and if you desaturate by 10%, it is **200, 216, 129**.

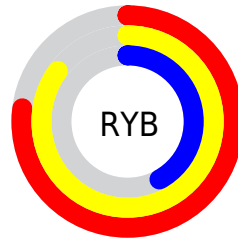
Distribution



Red (85%)

Green (65%)

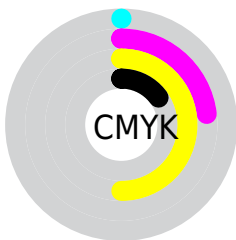
Blue (42%)



Red (77%)

Yellow (85%)

Blue (42%)

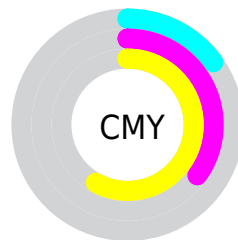


Cyan (0%)

Magenta (23%)

Yellow (50%)

Black (15%)



Cyan (15%)

Magenta (35%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 196, 216, 107 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 196, 216, 107 by changing the saturation by 10% instead.

 196, 216, 107

255, 255, 255

 209, 255, 159

 191, 255, 187


 215, 255, 215

 243, 255, 243

 196, 216, 107


 164, 187, 82

 136, 159, 58

 102, 131, 34

 70, 104, 9

 57, 78, 0

 51, 45, 0

 28, 0, 0

 0, 0, 0

 196, 216, 107

 196, 216, 107

192, 216, 85

200, 216, 129

187, 216, 64

205, 216, 150

183, 216, 42

209, 216, 172

181, 216, 21

211, 216, 193

176, 216, 0

215, 216, 215

216, 222, 237

216, 229, 255

216, 233, 255

216, 235, 255

Harmonies

Analogous

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



239, 164, 128



196, 216, 107



109, 183, 105

Triad

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



196, 216, 107



40, 118, 195



201, 160, 228

Complementary

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



196, 216, 107



107, 141, 216

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, 169, 245



196, 216, 107



13, 110, 225

Square

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



196, 216, 107



97, 158, 194



88, 148, 244



234, 150, 197

Rectangle

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



196, 216, 107



115, 186, 144



88, 148, 244



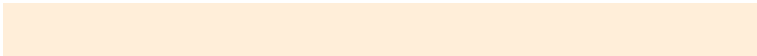
186, 165, 235

Sweetspot

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



196, 216, 107



248, 255, 217



216, 107, 156



126, 128, 105



0, 0, 0



128, 128, 128

Same Dimension

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



196, 216, 107



226, 255, 99



107, 216, 112



105, 107, 96



140, 171, 0



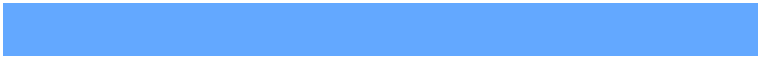
34, 43, 0

Inverse Universe

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



107, 141, 216



99, 147, 255



112, 107, 216



96, 99, 107



0, 53, 171



0, 13, 43

Previews

White Background



This preview shows how the RYB color 196, 216, 107 looks on a white background.

Color Contrast Check

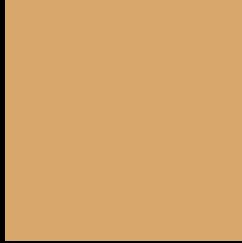
Large Text (above 18pt) WCAG AA × Fail

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 196, 216, 107 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](#).

R Y B 196, 216, 107 Background



This preview shows how black text looks on a background with the RYB color 196, 216, 107.


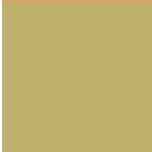



This preview shows how white text looks on a background with the RYB color 196, 216, 107.

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 196, 216, 107
	Protanopia 130, 192, 110
	Deuteranopia 185, 213, 107



Tritanopia
222, 159, 171

Trichromacy



Original Color
196, 216, 107

Protanomaly
149, 201, 109

Deuteranomaly
188, 214, 107

Tritanomaly
220, 165, 148

Monochromacy



Original Color
196, 216, 107

Achromatopsia
175, 175, 175

Achromatomaly
183, 190, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 196, 216, 107 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(216, 167, 107)` looks like.

```
.text, #text, p{  
    color:rgb(216, 167, 107)  
}
```

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(216, 167, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 167, 107) }
```

Border

The CSS property to change the border of an element to RYB 196, 216, 107 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(216, 167, 107) }
```

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

```
.border{ border-color:rgb(216, 167, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 167, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 167, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 167, 107); box-shadow:4px 4px 4px 4px rgb(216, 167, 107) }
```

Background

The CSS property to change the background color of an element to RYB 196, 216, 107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 167, 107) }
```

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

```
.background{ background-color: rgb(216,  
167, 107) }
```

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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