

Converting Colors

`RYB(116, 204, 93)`

Have a look what the booklet for
RYB(116, 204, 93) contains.

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Color

`RYB(116, 204, 93)`

Conversions

Conversions Part 1

Format	Color
Hex	CCB95D
RGB	204, 185, 93
RGB Percent	80%, 73%, 36%
CMY	0.2000, 0.2747, 0.6353
CMYK	0.00, 0.09, 0.54, 0.20
HSL	50°, 52%, 58%
HSV	50°, 54%, 80%
XYZ	44.2157, 48.3038, 17.3491
YIQ	180.1930, 40.8560, -24.5840

Conversions

Conversions Part 2

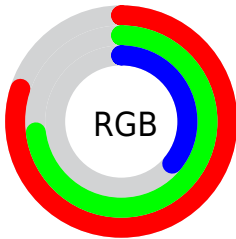
Format	Color
R _{YB}	116, 204, 93
Decimal	13416797
CIE Lab	75.02, -4.89, 48.50
CIE LCh	75, 48.744, 95.758
Yxy	48.3038, 0.4024, 0.4397
Android (android.graphics.Color)	4291606877 (0xFFCCB95D)
YUV	180.1930, -42.9861, 20.8787
Hunter-Lab	69.5009, -8.0670, 33.8504

Details

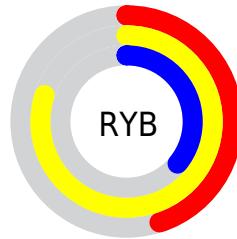
The RYB color **116, 204, 93** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **93, 109, 204**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **162, 255, 146**, and **60, 147, 42** is the 20% darker color. If you saturate the color by 10%, you get **101, 204, 73**, and if you desaturate by 10%, it is **132, 204, 113**.

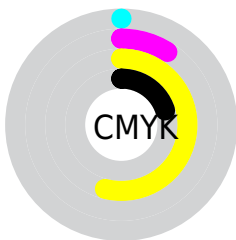
Distribution



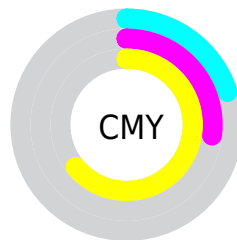
- Red (80%)
- Green (73%)
- Blue (36%)



- Red (45%)
- Yellow (80%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (54%)
- Black (20%)



- Cyan (20%)
- Magenta (27%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 116, 204, 93 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 116, 204, 93 by changing the saturation by 10% instead.


 116, 204, 93

 116, 204, 93

255, 255, 255

 87, 175, 67


 162, 255, 146

 60, 147, 42

 173, 255, 173

 27, 120, 12

 201, 255, 201

 11, 93, 0

 229, 255, 229

 9, 68, 0

 3, 42, 0

 0, 19, 4

 0, 0, 0

 116, 204, 93

 116, 204, 93

101, 204, 73

132, 204, 113

83, 204, 52

148, 204, 134

68, 204, 32

165, 204, 154

51, 204, 11

181, 204, 175

42, 204, 0

198, 204, 195

204, 206, 215

204, 208, 236

204, 212, 255

204, 214, 255

Harmonies

Analogous

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



242, 229, 103



116, 204, 93



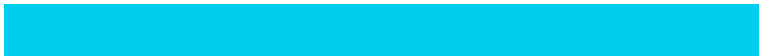
110, 197, 151

Triad

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



116, 204, 93



0, 110, 236



248, 154, 222

Complementary

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



116, 204, 93



93, 109, 204

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.



200, 170, 255



116, 204, 93



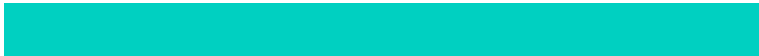
0, 112, 255

Square

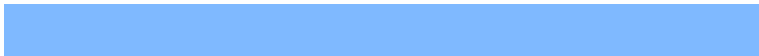
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



116, 204, 93



0, 108, 208



127, 167, 255



255, 148, 178

Rectangle

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



116, 204, 93



119, 192, 203



127, 167, 255



235, 159, 236

Sweetspot

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



116, 204, 93



222, 255, 214



204, 93, 113



109, 128, 103



0, 0, 0



128, 128, 128

Same Dimension

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



116, 204, 93



123, 255, 89



93, 204, 128



95, 102, 92



35, 166, 0



7, 38, 0

Inverse Universe

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



93, 109, 204



89, 114, 255



128, 93, 204



92, 94, 102



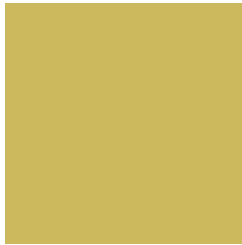
0, 24, 166



0, 6, 38

Previews

White Background



This preview shows how the RYB color 116, 204, 93 looks on a white background.

Color Contrast Check

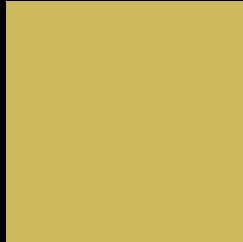
Large Text (above 18pt) WCAG AA × Fail

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 116, 204, 93 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 116, 204, 93 Background



This preview shows how black text looks on a background with the RYB color 116, 204, 93.



This preview shows how white text looks on a background with the RYB color 116, 204, 93.

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
116, 204, 93

Protanopia
116, 204, 93

Deuteranopia
178, 227, 95



Tritanopia
213, 174, 188

Trichromacy



Original Color

116, 204, 93

Protanomaly

116, 204, 93

Deuteranomaly

153, 219, 94

Tritanomaly

210, 198, 153

Monochromacy



Original Color

116, 204, 93

Achromatopsia

180, 180, 180

Achromatomaly

156, 189, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 116, 204, 93 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(204, 185, 93)` looks like.

```
.text, #text, p{  
    color:rgb(204, 185, 93)  
}
```

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(204, 185, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 185, 93) }
```

Border

The CSS property to change the border of an element to RYB 116, 204, 93 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(204, 185, 93) }
```

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

```
.border{ border-color:rgb(204, 185, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 185, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 185, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 185, 93);  
box-shadow:4px 4px 4px 4px rgb(204, 185,  
93) }
```

Background

The CSS property to change the background color of an element to RYB 116, 204, 93 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 185, 93) }
```

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

```
.background{ background-color: rgb(204,  
185, 93) }
```

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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