

Converting Colors

`RYB(101, 196, 65)`

Have a look what the booklet for
RYB(101, 196, 65) contains.

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Color

$\text{RYB}(101, 196, 65)$

Conversions

Conversions Part 1

Format	Color
Hex	C4A841
RGB	196, 168, 65
RGB Percent	77%, 66%, 25%
CMY	0.2314, 0.3421, 0.7451
CMYK	0.00, 0.14, 0.67, 0.23
HSL	47°, 53%, 51%
HSV	47°, 67%, 77%
XYZ	37.6775, 40.0343, 10.7426
YIQ	164.6300, 49.7510, -26.0970

Conversions

Conversions Part 2

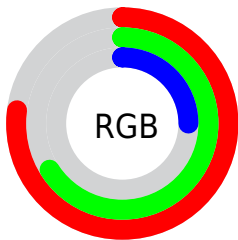
Format	Color
RYB	101, 196, 65
Decimal	12888129
CIELab	69.49, -1.21, 54.99
CIElCh	69, 55.001, 91.262
Yxy	40.0343, 0.4260, 0.4526
Android (android.graphics.Color)	4291078209 (0xFFC4A841)
YUV	164.6300, -49.1176, 27.5115
Hunter-Lab	63.2727, -4.4342, 34.2245

Details

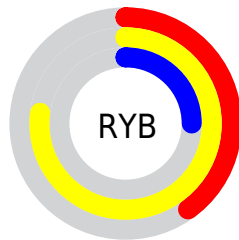
The RYB color **101, 196, 65** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **65, 88, 196**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **160, 255, 118**, and **30, 139, 2** is the 20% darker color. If you saturate the color by 10%, you get **86, 196, 45**, and if you desaturate by 10%, it is **116, 196, 85**.

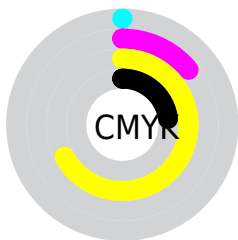
Distribution



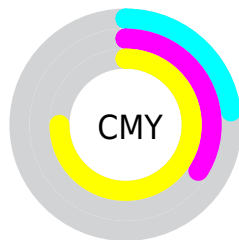
- Red (77%)
- Green (66%)
- Blue (25%)



- Red (40%)
- Yellow (77%)
- Blue (25%)



- Cyan (0%)
- Magenta (14%)
- Yellow (67%)
- Black (23%)






















- Cyan (23%)
- Magenta (34%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 196, 65 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 101, 196, 65 by changing the saturation by 10% instead.

 101, 196, 65	 101, 196, 65
 255, 255, 255	 69, 167, 38
 160, 255, 118	 30, 139, 2
 149, 255, 145	 23, 111, 0
 172, 255, 172	 20, 84, 0
 200, 255, 200	 14, 58, 0
 229, 255, 229	 9, 33, 0
	 0, 0, 0

 101, 196, 65	 101, 196, 65
 86, 196, 45	 116, 196, 85

■ 73, 196, 26

■ 130, 196, 104

■ 58, 196, 6

■ 145, 196, 124

■ 53, 196, 0

■ 157, 196, 143

■ 172, 196, 163

■ 187, 196, 183

■ 196, 197, 202

■ 196, 201, 222

■ 196, 204, 241

Harmonies

Analogous

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



236, 201, 82



101, 196, 65



80, 182, 117

Triad

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



101, 196, 65



0, 103, 220



233, 136, 219

Complementary

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



101, 196, 65



65, 88, 196

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.



175, 156, 255



101, 196, 65



0, 108, 255

Square

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



101, 196, 65



0, 103, 194



73, 138, 255



255, 126, 170

Rectangle

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



101, 196, 65



104, 187, 188



73, 138, 255



217, 142, 233

Sweetspot

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



101, 196, 65



218, 255, 204



196, 65, 93



106, 128, 97



0, 0, 0



128, 128, 128

Same Dimension

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



101, 196, 65



107, 255, 51



65, 196, 102



90, 97, 87



45, 161, 0



9, 33, 0

Inverse Universe

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



65, 88, 196



51, 87, 255



102, 65, 196



87, 89, 97



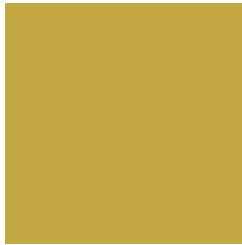
0, 29, 161



0, 6, 33

Previews

White Background



This preview shows how the RYB color 101, 196, 65 looks on a white background.

Color Contrast Check

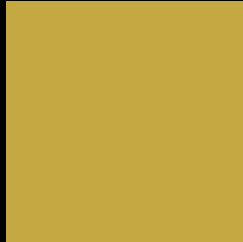
Large Text (above 18pt) WCAG AA × Fail

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 101, 196, 65 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 101, 196, 65 Background



This preview shows how black text looks on a background with the RYB color 101, 196, 65.

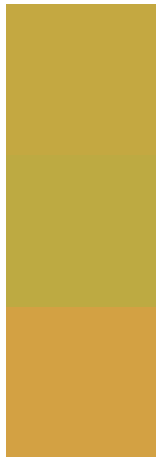


This preview shows how white text looks on a background with the RYB color 101, 196, 65.

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
101, 196, 65

Protanopia
88, 189, 66

Deuteranopia
144, 211, 67



Tritanopia
204, 157, 169

Trichromacy



Original Color
101, 196, 65

Protanomaly
94, 192, 66

Deuteranomaly
128, 206, 66

Tritanomaly
201, 184, 131

Monochromacy



Original Color
101, 196, 65

Achromatopsia
164, 164, 164

Achromatomaly
142, 176, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 196, 65 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(196, 168, 65)` looks like.

```
.text, #text, p{  
    color:rgb(196, 168, 65)  
}
```

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(196, 168, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 168, 65) }
```

Border

The CSS property to change the border of an element to RYB 101, 196, 65 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(196, 168, 65) }
```

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

```
.border{ border-color:rgb(196, 168, 65) }
```

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

Here you see how a box with a 4 pixel rgb(196, 168, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 168, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 168, 65);  
box-shadow:4px 4px 4px 4px rgb(196, 168,  
65) }
```

Background

The CSS property to change the background color of an element to RYB 101, 196, 65 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 168, 65) }
```

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

```
.background{ background-color: rgb(196,  
168, 65) }
```

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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