

Converting Colors

`RYB(85, 168, 125)`

Have a look what the booklet for
RYB(85, 168, 125) contains.

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Color

`RYB(85, 168, 125)`

Conversions

Conversions Part 1

Format	Color
Hex	80A855
RGB	128, 168, 85
RGB Percent	50%, 66%, 33%
CMY	0.4980, 0.3412, 0.6667
CMYK	0.24, 0.00, 0.49, 0.34
HSL	89°, 33%, 50%
HSV	89°, 49%, 66%
XYZ	24.5444, 33.2503, 13.7187
YIQ	146.5780, 2.8030, -34.2930

Conversions

Conversions Part 2

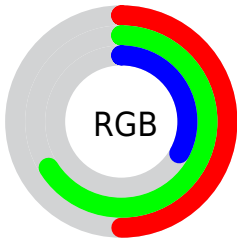
Format	Color
RYB	85, 168, 125
Decimal	8431701
CIELab	64.36, -27.99, 38.29
CIELCh	64, 47.432, 126.166
Yxy	33.2503, 0.3432, 0.4650
Android (android.graphics.Color)	4286621781 (0xFF80A855)
YUV	146.5780, -30.3580, -16.2929
Hunter-Lab	57.6631, -24.9316, 26.2585

Details

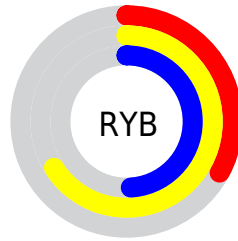
The RYB color **85, 168, 125** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **125, 85, 168**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **136, 223, 177**, and **36, 116, 76** is the 20% darker color. If you saturate the color by 10%, you get **68, 168, 116**, and if you desaturate by 10%, it is **102, 168, 134**.

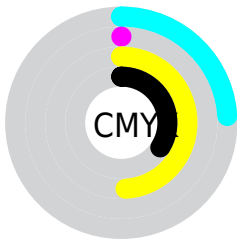
Distribution



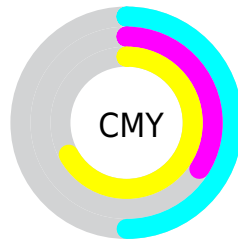
- Red (50%)
- Green (66%)
- Blue (33%)



- Red (33%)
- Yellow (66%)
- Blue (49%)



- Cyan (24%)
- Magenta (0%)
- Yellow (49%)
- Black (34%)



- Cyan (50%)
- Magenta (34%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 168, 125 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 85, 168, 125 by changing the saturation by 10% instead.

 85, 168, 125  85, 168, 125

255, 255, 255  60, 141, 99

 136, 223, 177  36, 116, 76

 163, 252, 204  9, 91, 49

 191, 255, 206  0, 67, 41

 219, 255, 219  0, 44, 44

 248, 255, 248  0, 24, 24

 0, 0, 0

 85, 168, 125  85, 168, 125

 68, 168, 116  102, 168, 134

■ 51, 168, 107

■ 119, 168, 143

■ 35, 168, 99

■ 135, 168, 151

■ 18, 168, 90

■ 152, 168, 160

■ 1, 168, 81

■ 168, 168, 169

■ 0, 168, 81

■ 177, 168, 186

■ 185, 168, 203

■ 193, 168, 219

■ 201, 168, 236

Harmonies

Analogous

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



88, 173, 69



85, 168, 125



69, 141, 175

Triad

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



85, 168, 125



0, 98, 233



235, 120, 149

Complementary

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



85, 168, 125



125, 85, 168

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.



215, 126, 191



85, 168, 125



99, 141, 240

Square

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



85, 168, 125



0, 95, 205



171, 141, 225



231, 130, 108

Rectangle

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



85, 168, 125



0, 96, 177



171, 141, 225



231, 121, 163

Sweetspot

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



85, 168, 125



186, 219, 202



168, 159, 85



90, 110, 100



237, 237, 237



110, 110, 110

Same Dimension

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



85, 168, 125



90, 219, 152



85, 168, 165



76, 84, 80



0, 148, 71



0, 20, 9

Inverse Universe

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



125, 85, 168



152, 90, 219



165, 85, 168



80, 76, 84



71, 0, 148



10, 0, 20

Previews

White Background



This preview shows how the RYB color 85, 168, 125 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 85, 168, 125 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 85, 168, 125 Background



This preview shows how black text looks on a background with the RYB color 85, 168, 125.

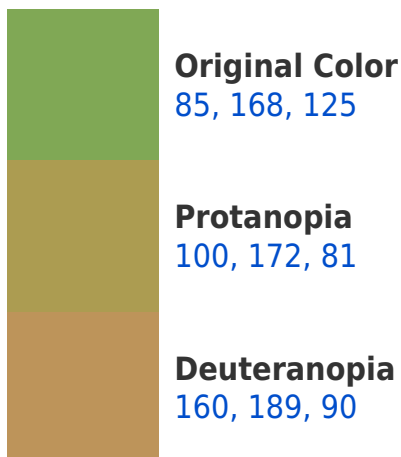


This preview shows how white text looks on a background with the RYB color 85, 168, 125.

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





Tritanopia
140, 151, 171

Trichromacy



Original Color

85, 168, 125

Protanomaly

82, 160, 86

Deuteranomaly

102, 167, 88

Tritanomaly

136, 159, 162

Monochromacy



Original Color

85, 168, 125

Achromatopsia

147, 147, 147

Achromatomaly

124, 155, 139

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 168, 125 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(128, 168, 85)` looks like.

```
.text, #text, p{  
    color:rgb(128, 168, 85)  
}
```

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(128, 168, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 168, 85) }
```

Border

The CSS property to change the border of an element to RYB 85, 168, 125 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(128, 168, 85) }
```

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

```
.border{ border-color:rgb(128, 168, 85) }
```

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

Here you see how a box with a 4 pixel rgb(128, 168, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 168, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 168, 85);  
box-shadow:4px 4px 4px 4px rgb(128, 168,  
85) }
```

Background

The CSS property to change the background color of an element to RYB 85, 168, 125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 168, 85) }
```

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

```
.background{ background-color: rgb(128,  
168, 85) }
```

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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