

Converting Colors

`RYB(85, 170, 136)`

Have a look what the booklet for
RYB(85, 170, 136) contains.

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Color

R_YB(85, 170, 136)

Conversions

Conversions Part 1

Format	Color
Hex	77AA55
RGB	119, 170, 85
RGB Percent	47%, 67%, 33%
CMY	0.5333, 0.3333, 0.6667
CMYK	0.30, 0.00, 0.50, 0.33
HSL	96°, 33%, 50%
HSV	96°, 50%, 67%
XYZ	23.6222, 33.3273, 13.7821
YIQ	145.0610, -3.1110, -37.2470

Conversions

Conversions Part 2

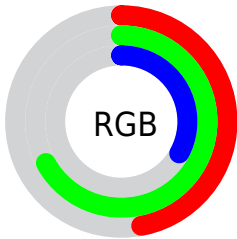
Format	Color
RYB	85, 170, 136
Decimal	7842389
CIELab	64.43, -32.30, 38.24
CIELCh	64, 50.058, 130.181
Yxy	33.3273, 0.3340, 0.4712
Android (android.graphics.Color)	4286032469 (0xFF77AA55)
YUV	145.0610, -29.6101, -22.8555
Hunter-Lab	57.7298, -27.9875, 26.2562

Details

The RYB color **85, 170, 136** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **136, 85, 170**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **136, 226, 189**, and **36, 117, 86** is the 20% darker color. If you saturate the color by 10%, you get **68, 170, 129**, and if you desaturate by 10%, it is **102, 170, 143**.

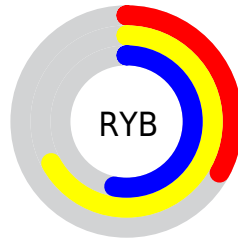
Distribution



Red (47%)

Green (67%)

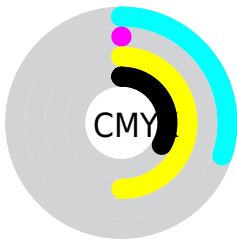
Blue (33%)



Red (33%)

Yellow (67%)

Blue (53%)

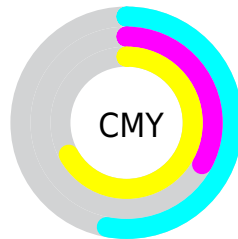


Cyan (30%)

Magenta (0%)

Yellow (50%)

Black (33%)



Cyan (53%)

Magenta (33%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 170, 136 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, 170, 136 by changing the saturation by 10% instead.



85, 170, 136



85, 170, 136

255, 255, 255



60, 143, 110



136, 226, 189



36, 117, 86



163, 254, 216



8, 92, 59



191, 255, 216



0, 68, 55



219, 255, 219



0, 46, 46



248, 255, 248



0, 24, 24



0, 0, 0



85, 170, 136



85, 170, 136



68, 170, 129



102, 170, 143

■ 51, 170, 122

■ 119, 170, 150

■ 34, 170, 116

■ 136, 170, 156

■ 17, 170, 109

■ 153, 170, 163

■ 0, 170, 102

■ 170, 170, 170

■ 180, 170, 187

■ 190, 170, 204

■ 201, 170, 221

■ 211, 170, 238

Harmonies

Analogous

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



74, 168, 64



85, 170, 136



46, 128, 177

Triad

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



85, 170, 136



0, 99, 240



240, 118, 143

Complementary

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



85, 170, 136



136, 85, 170

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.



223, 123, 188



85, 170, 136



106, 143, 244

Square

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



85, 170, 136



0, 97, 213



179, 138, 225



233, 133, 101

Rectangle

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



85, 170, 136



0, 96, 179



179, 138, 225



237, 118, 158

Sweetspot

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



85, 170, 136



189, 222, 209



142, 170, 85



92, 112, 104



240, 240, 240



112, 112, 112

Same Dimension

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



85, 170, 136



89, 222, 169



85, 164, 170



76, 84, 81



0, 148, 89



0, 20, 12

Inverse Universe

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



136, 85, 170



169, 89, 222



170, 85, 162



81, 76, 84



89, 0, 148



12, 0, 20

Previews

White Background



This preview shows how the RYB color 85, 170, 136 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, 170, 136 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, 170, 136 Background



This preview shows how black text looks on a background with the RYB color 85, 170, 136.

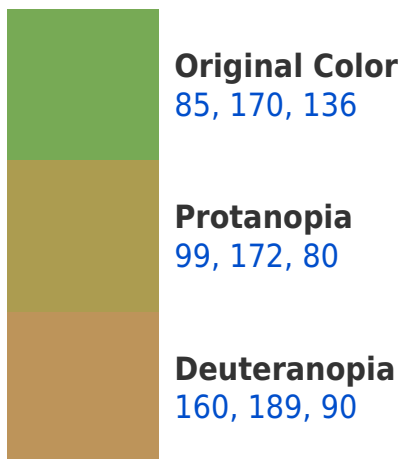


This preview shows how white text looks on a background with the RYB color 85, 170, 136.

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
133, 149, 173

Trichromacy



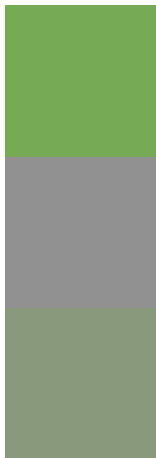
Original Color
85, 170, 136

Protanomaly
82, 161, 90

Deuteranomaly
97, 164, 88

Tritanomaly
128, 154, 164

Monochromacy



Original Color
85, 170, 136

Achromatopsia
145, 145, 145

Achromatomaly
123, 154, 141

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 170, 136 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(119, 170, 85)` looks like.

```
.text, #text, p{  
    color:rgb(119, 170, 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(119, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 170, 85) }
```

Border

The CSS property to change the border of an element to RYB 85, 170, 136 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(119, 170, 85) }
```

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

```
.border{ border-color:rgb(119, 170, 85) }
```

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

Here you see how a box with a 4 pixel rgb(119, 170, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(119, 170,  
85) }
```

Background

The CSS property to change the background color of an element to RYB 85, 170, 136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 170, 85) }
```

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

```
.background{ background-color: rgb(119,  
170, 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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