

Converting Colors

`RYB(85, 170, 163)`

Have a look what the booklet for
RYB(85, 170, 163) contains.

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Color

`RYB(85, 170, 163)`

Conversions

Conversions Part 1	
Format	Color
Hex	5CAA55
RGB	92, 170, 85
RGB Percent	36%, 67%, 33%
CMY	0.6392, 0.3333, 0.6667
CMYK	0.46, 0.00, 0.50, 0.33
HSL	115°, 33%, 50%
HSV	115°, 50%, 67%
XYZ	20.4281, 31.6806, 13.6326
YIQ	136.9880, -19.2030, -42.9710

Conversions

Conversions Part 2

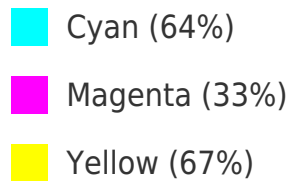
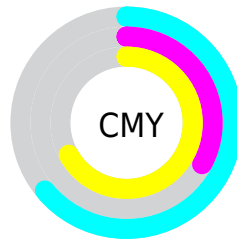
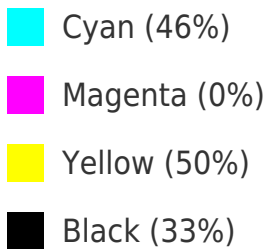
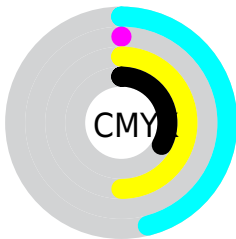
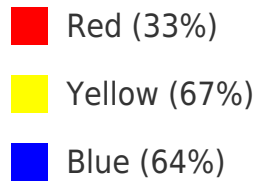
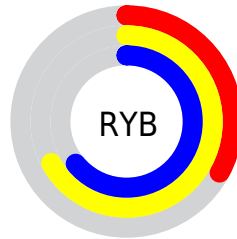
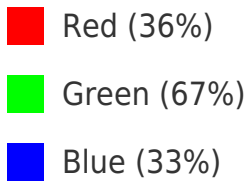
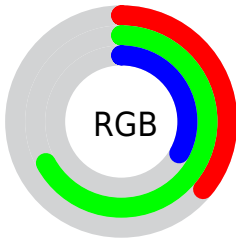
Format	Color
RYB	85, 170, 163
Decimal	6072917
CIELab	63.08, -41.35, 36.29
CIELCh	63, 55.016, 138.732
Yxy	31.6806, 0.3107, 0.4819
Android (android.graphics.Color)	4284262997 (0xFF5CAA55)
YUV	136.9880, -25.6301, -39.4545
Hunter-Lab	56.2856, -33.7157, 25.0396

Details

The RYB color **85, 170, 163** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **163, 85, 170**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **136, 226, 215**, and **35, 116, 117** is the 20% darker color. If you saturate the color by 10%, you get **68, 170, 162**, and if you desaturate by 10%, it is **102, 170, 164**.

Distribution



Brightness & Saturation Gradients

These gradients show how the RYB color 85, 170, 163 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, 163 by changing the saturation by 10% instead.



85, 170, 163



85, 170, 163

255, 255, 255



60, 143, 138



136, 226, 215



35, 116, 117



163, 255, 243



0, 84, 92



191, 255, 243



0, 67, 67



219, 255, 242



0, 45, 45



248, 255, 248



0, 19, 19



0, 0, 0



85, 170, 163




85, 170, 163




68, 170, 162




102, 170, 164

 51, 170, 160

 119, 170, 166

 34, 170, 159

 136, 170, 167


 17, 170, 157


 153, 170, 169

 0, 170, 156

 170, 170, 170

 186, 170, 187

 201, 170, 204

 217, 170, 221

 232, 170, 238

Harmonies

Analogous

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



53, 159, 62



85, 170, 163



0, 101, 176

Triad

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



85, 170, 163



0, 98, 248



243, 110, 124

Complementary

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



85, 170, 163



163, 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.



233, 111, 173



85, 170, 163



122, 143, 246

Square

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



85, 170, 163



0, 98, 225



194, 127, 218



228, 144, 81

Rectangle

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



85, 170, 163



0, 91, 177



194, 127, 218



242, 108, 140

Sweetspot

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



85, 170, 163



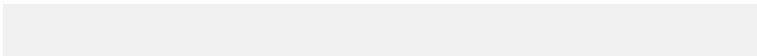
189, 222, 220



93, 170, 85



92, 112, 110



240, 240, 240



112, 112, 112

Same Dimension

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



85, 170, 163



89, 222, 211



85, 145, 170



76, 84, 84



0, 148, 136



0, 20, 18

Inverse Universe

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



163, 85, 170



211, 89, 222



170, 85, 135



83, 76, 84



136, 0, 148



19, 0, 20

Previews

White Background



This preview shows how the RYB color 85, 170, 163 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, 163 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, 163 Background



This preview shows how black text looks on a background with the RYB color 85, 170, 163.



This preview shows how white text looks on a background with the RYB color 85, 170, 163.

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


85, 170, 163

Protanopia

97, 167, 79

Deuteranopia

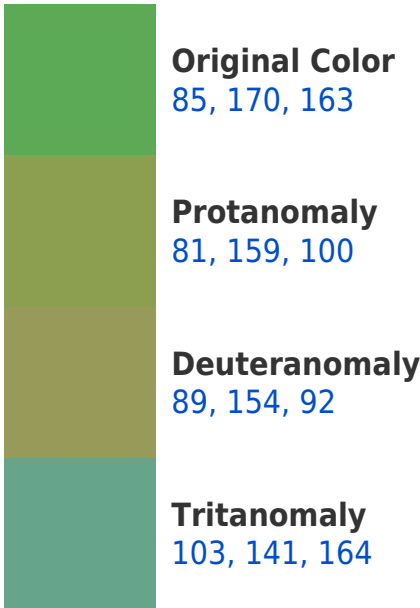
158, 184, 91



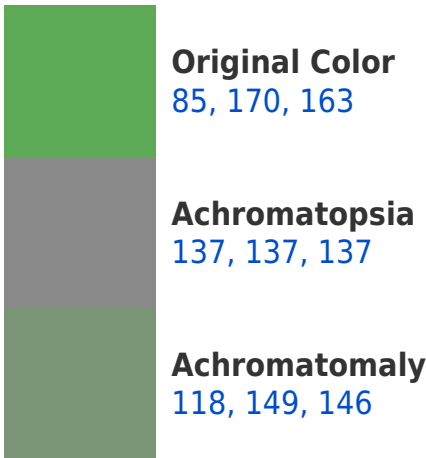
Tritanopia

110, 138, 173

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 85, 170, 163 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(92, 170, 85) looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 170, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 170, 85) }
```

Border

The CSS property to change the border of an element to RYB 85, 170, 163 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(92, 170, 85) }
```

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

```
.border{ border-color:rgb(92, 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(92, 170, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 170, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 170, 85);  
box-shadow:4px 4px 4px 4px rgb(92, 170,  
85) }
```

Background

The CSS property to change the background color of an element to RGB 92, 170, 85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 170, 85) }
```

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

```
.background{ background-color: rgb(92, 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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