

Converting Colors

`RYB(85, 123, 136)`

Have a look what the booklet for
RYB(85, 123, 136) contains.

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Color

`RYB(85, 123, 136)`

Conversions

Conversions Part 1

Format	Color
Hex	558866
RGB	85, 136, 102
RGB Percent	33%, 53%, 40%
CMY	0.6667, 0.4667, 0.5982
CMYK	0.38, 0.00, 0.25, 0.47
HSL	141°, 23%, 43%
HSV	141°, 38%, 53%
XYZ	14.9710, 20.5078, 15.8564
YIQ	116.8750, -19.4820, -21.3860

Conversions

Conversions Part 2

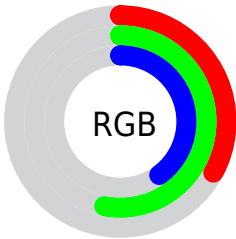
Format	Color
RYB	85, 123, 136
Decimal	5605478
CIELab	52.41, -24.83, 12.72
CIElCh	52, 27.897, 152.875
Yxy	20.5078, 0.2916, 0.3995
Android (android.graphics.Color)	4283795558 (0xFF558866)
YUV	116.8750, -7.3334, -27.9544
Hunter-Lab	45.2856, -20.2393, 10.9400

Details

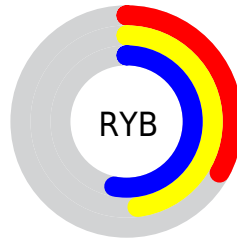
The RYB color **85, 123, 136** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **136, 85, 119**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **137, 178, 190**, and **36, 72, 86** is the 20% darker color. If you saturate the color by 10%, you get **71, 120, 136**, and if you desaturate by 10%, it is **99, 127, 136**.

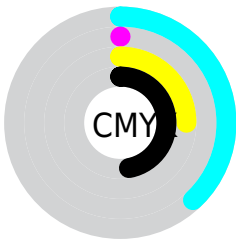
Distribution



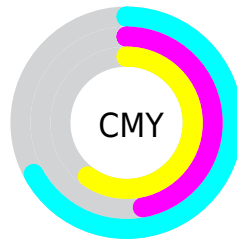
- Red (33%)
- Green (53%)
- Blue (40%)



- Red (33%)
- Yellow (48%)
- Blue (53%)



- Cyan (38%)
- Magenta (0%)
- Yellow (25%)
- Black (47%)



- Cyan (67%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 123, 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, 123, 136 by changing the saturation by 10% instead.



85, 123, 136



85, 123, 136

255, 255, 255



60, 97, 110



137, 177, 190



36, 72, 86



163, 205, 218



8, 44, 62



191, 233, 246



0, 31, 40



219, 243, 255



0, 16, 16



248, 252, 255



0, 0, 0



85, 123, 136



85, 123, 136



71, 120, 136



99, 127, 136



58, 116, 136



112, 130, 136

■ 44, 112, 136

■ 126, 134, 136

■ 31, 109, 136

■ 139, 136, 138

■ 17, 106, 136

■ 153, 136, 147

■ 3, 102, 136

■ 167, 136, 156

■ 0, 101, 136

■ 180, 136, 165

■ 194, 136, 174

■ 207, 136, 183

Harmonies

Analogous

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



84, 131, 101



85, 123, 136



55, 99, 138

Triad

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



85, 123, 136



95, 118, 172



171, 110, 100

Complementary

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



85, 123, 136



136, 85, 119

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.



171, 107, 124



85, 123, 136



131, 118, 165

Square

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



85, 123, 136



57, 102, 167



157, 110, 147



159, 141, 83

Rectangle

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



85, 123, 136



39, 90, 143



157, 110, 147



172, 108, 108

Sweetspot

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



85, 123, 136



157, 171, 176



85, 136, 102



78, 86, 89



217, 217, 217



89, 89, 89

Same Dimension

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



85, 123, 136



97, 156, 176



85, 113, 136



62, 67, 69



0, 99, 133



0, 4, 5

Inverse Universe

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



136, 85, 119



176, 97, 149



136, 85, 94



69, 62, 66



133, 0, 87



5, 0, 3

Previews

White Background



This preview shows how the RYB color 85, 123, 136 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 123, 136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

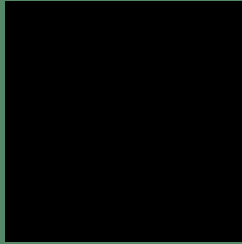
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 85, 123, 136 Background



This preview shows how black text looks on a background with the RYB color 85, 123, 136.



This preview shows how white text looks on a background with the RYB color 85, 123, 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



Original Color


85, 123, 136

Protanopia

109, 133, 97

Deuteranopia

143, 129, 106



Tritanopia
93, 114, 141

Trichromacy



Original Color
85, 123, 136

Protanomaly
99, 128, 111

Deuteranomaly
105, 126, 109

Tritanomaly
90, 113, 133

Monochromacy



Original Color
85, 123, 136

Achromatopsia
117, 117, 117

Achromatomaly
105, 119, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 123, 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(85, 136, 102)` looks like.

```
.text, #text, p{  
    color:rgb(85, 136, 102)  
}
```

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(85, 136, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 136, 102) }
```

Border

The CSS property to change the border of an element to RYB 85, 123, 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(85, 136, 102) }
```

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

```
.border{ border-color:rgb(85, 136, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 136, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 136, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 136, 102);  
box-shadow:4px 4px 4px 4px rgb(85, 136,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 85, 123, 136 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 136, 102) }
```

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

```
.background{ background-color: rgb(85, 136,  
102) }
```

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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