

Converting Colors

`RYB(85, 100, 110)`

Have a look what the booklet for
RYB(85, 100, 110) contains.

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Color

R_YB(85, 100, 110)

Conversions

Conversions Part 1

Format	Color
Hex	556E66
RGB	85, 110, 102
RGB Percent	33%, 43%, 40%
CMY	0.6667, 0.5686, 0.6013
CMYK	0.23, 0.00, 0.08, 0.57
HSL	160°, 13%, 38%
HSV	160°, 23%, 43%
XYZ	11.7040, 14.0359, 14.5762
YIQ	101.6130, -12.3320, -7.7880

Conversions

Conversions Part 2

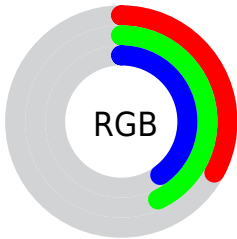
Format	Color
RYB	85, 100, 110
Decimal	5598822
CIELab	44.28, -11.09, 1.63
CIELCh	44, 11.212, 171.656
Yxy	14.0359, 0.2903, 0.3481
Android (android.graphics.Color)	4283788902 (0xFF556E66)
YUV	101.6130, 0.1908, -14.5696
Hunter-Lab	37.4645, -9.7989, 3.1573

Details

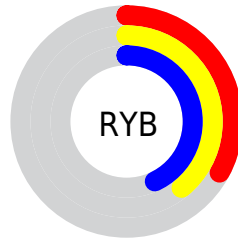
The RYB color **85, 100, 110** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **110, 85, 93**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **135, 151, 162**, and **39, 53, 62** is the 20% darker color. If you saturate the color by 10%, you get **74, 96, 110**, and if you desaturate by 10%, it is **96, 105, 110**.

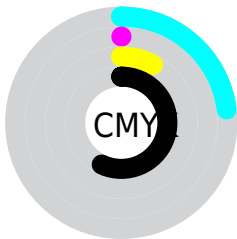
Distribution



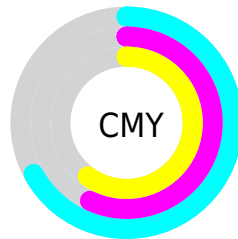
- Red (33%)
- Green (43%)
- Blue (40%)



- Red (33%)
- Yellow (39%)
- Blue (43%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (57%)



- Cyan (67%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 100, 110 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, 100, 110 by changing the saturation by 10% instead.



85, 100, 110



85, 100, 110

255, 255, 255



61, 76, 86



135, 151, 162



39, 53, 62



161, 178, 189



18, 31, 40



189, 205, 216



0, 14, 21



216, 234, 245



0, 0, 0



245, 250, 255



85, 100, 110



85, 100, 110



74, 96, 110



96, 105, 110



63, 91, 110



107, 109, 110

■ 52, 87, 110

■ 118, 110, 113

■ 41, 82, 110

■ 129, 110, 116

■ 30, 78, 110

■ 140, 110, 120

■ 19, 73, 110

■ 151, 110, 124

■ 8, 69, 110

■ 162, 110, 127

■ 0, 66, 110

■ 173, 110, 131

■ 184, 110, 135

Harmonies

Analogous

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



93, 109, 108



85, 100, 110



80, 95, 111

Triad

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



85, 100, 110



103, 103, 122



122, 105, 90

Complementary

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



85, 100, 110



110, 85, 93

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.



124, 99, 98



85, 100, 110



114, 100, 116

Square

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



85, 100, 110



91, 101, 123



122, 98, 108



106, 115, 86

Rectangle

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



85, 100, 110



81, 97, 117



122, 98, 108



123, 102, 93

Sweetspot

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



85, 100, 110



133, 139, 143



85, 110, 102



66, 69, 71



199, 199, 199



71, 71, 71

Same Dimension

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



85, 100, 110



104, 127, 143



85, 96, 110



50, 54, 56



0, 72, 120



0, 148, 247

Inverse Universe

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



110, 85, 93



143, 104, 117



110, 90, 85



56, 50, 52



120, 0, 40



247, 0, 82

Previews

White Background



This preview shows how the RYB color 85, 100, 110 looks on a white 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

Black Background



This preview shows how the RYB color 85, 100, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

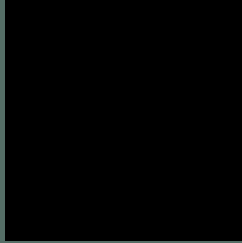
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

R Y B 85, 100, 110 Background



This preview shows how black text looks on a background with the R Y B color 85, 100, 110.



This preview shows how white text looks on a background with the R Y B color 85, 100, 110.

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, 100, 110

Protanopia

105, 108, 98

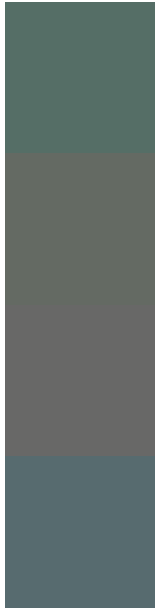
Deuteranopia

115, 101, 104



Tritanopia
88, 100, 116

Trichromacy



Original Color

85, 100, 110

Protanomaly

99, 106, 105

Deuteranomaly

103, 104, 103

Tritanomaly

87, 98, 111

Monochromacy



Original Color

85, 100, 110

Achromatopsia

102, 102, 102

Achromatomaly

96, 101, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 100, 110 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, 110, 102)` looks like.

```
.text, #text, p{  
    color:rgb(85, 110, 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, 110, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 110, 102) }
```

Border

The CSS property to change the border of an element to RYB 85, 100, 110 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, 110, 102) }
```

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

```
.border{ border-color:rgb(85, 110, 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, 110, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 110, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 110, 102);  
box-shadow:4px 4px 4px 4px rgb(85, 110,  
102) }
```

Background

The CSS property to change the background color of an element to RYB 85, 100, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 110, 102) }
```

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

```
.background{ background-color: rgb(85, 110,  
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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