

Converting Colors

RYB(83, 97, 110)

Have a look what the booklet for
RYB(83, 97, 110) contains.

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Color

R_YB(83, 97, 110)

Conversions

Conversions Part 1

Format	Color
Hex	536E6C
RGB	83, 110, 108
RGB Percent	33%, 43%, 42%
CMY	0.6745, 0.5686, 0.5762
CMYK	0.25, 0.00, 0.02, 0.57
HSL	176°, 14%, 38%
HSV	176°, 25%, 43%
XYZ	11.8538, 14.0751, 16.2993
YIQ	101.6990, -15.4500, -6.3460

Conversions

Conversions Part 2

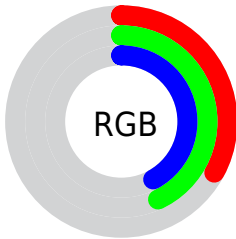
Format	Color
RYB	83, 97, 110
Decimal	5467756
CIELab	44.34, -10.28, -2.16
CIELCh	44, 10.502, 191.861
Yxy	14.0751, 0.2807, 0.3333
Android (android.graphics.Color)	4283657836 (0xFF536E6C)
YUV	101.6990, 3.1064, -16.3990
Hunter-Lab	37.5168, -9.2556, 0.5030

Details

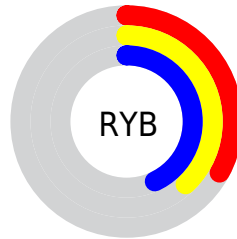
The RYB color **83, 97, 110** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **110, 83, 85**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **133, 148, 162**, and **37, 50, 62** is the 20% darker color. If you saturate the color by 10%, you get **72, 92, 110**, and if you desaturate by 10%, it is **94, 102, 110**.

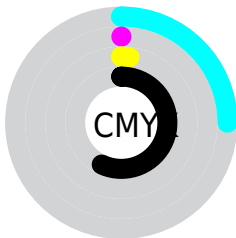
Distribution



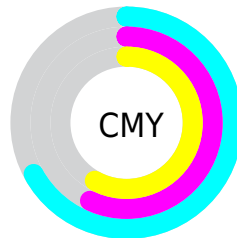
- Red (33%)
- Green (43%)
- Blue (42%)



- Red (33%)
- Yellow (38%)
- Blue (43%)



- Cyan (25%)
- Magenta (0%)
- Yellow (2%)
- Black (57%)



- Cyan (67%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 97, 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 83, 97, 110 by changing the saturation by 10% instead.



83, 97, 110



83, 97, 110

255, 255, 255



59, 73, 86



133, 148, 162



37, 50, 62



160, 175, 189



15, 28, 40



187, 202, 216



0, 11, 21



215, 231, 245



0, 0, 0



243, 249, 255



83, 97, 110



83, 97, 110



72, 92, 110



94, 102, 110



61, 87, 110



105, 108, 110

■ 50, 81, 110

■ 116, 110, 110

■ 39, 76, 110

■ 127, 110, 111

■ 28, 71, 110

■ 138, 110, 112

■ 17, 65, 110

■ 149, 110, 113

■ 6, 60, 110

■ 160, 110, 114

■ 0, 57, 110

■ 171, 110, 114

■ 182, 110, 115

Harmonies

Analogous

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



89, 103, 110



83, 97, 110



83, 98, 116

Triad

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



83, 97, 110



111, 102, 118



117, 115, 88

Complementary

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



83, 97, 110



110, 83, 85

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.



122, 102, 94



83, 97, 110



119, 99, 110

Square

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



83, 97, 110



100, 103, 122



123, 99, 102



92, 108, 88

Rectangle

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



83, 97, 110



86, 99, 120



123, 99, 102



119, 110, 90

Sweetspot

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



83, 97, 110



133, 138, 143



83, 110, 108



66, 69, 71



199, 199, 199



71, 71, 71

Same Dimension

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



83, 97, 110



101, 123, 143



83, 93, 110



50, 53, 56



0, 62, 120



0, 128, 247

Inverse Universe

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



110, 83, 85



143, 101, 104



110, 102, 83



56, 50, 51



120, 0, 9



247, 0, 18

Previews

White Background



This preview shows how the RYB color 83, 97, 110 looks on a white background.

Color Contrast Check

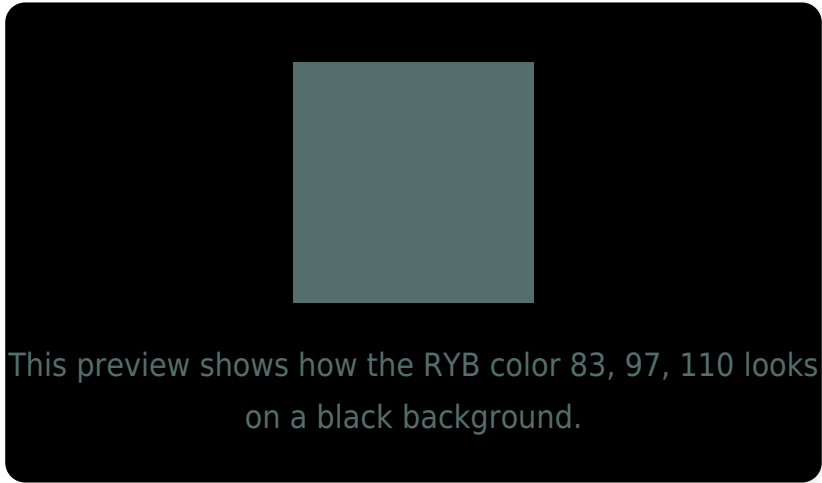
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

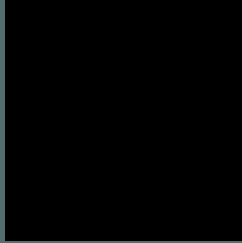
Any Text WCAG AA × Fail

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 83, 97, 110 Background



This preview shows how black text looks on a background with the R Y B color 83, 97, 110.



This preview shows how white text looks on a background with the R Y B color 83, 97, 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

83, 97, 110

Protanopia

106, 104, 105

Deuteranopia

112, 101, 110



Tritanopia
85, 99, 117

Trichromacy



Original Color

83, 97, 110

Protanomaly

98, 102, 106

Deuteranomaly

101, 103, 109

Tritanomaly

84, 98, 114

Monochromacy



Original Color

83, 97, 110

Achromatopsia

102, 102, 102

Achromatomaly

95, 100, 105

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 97, 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(83, 110, 108)` looks like.

```
.text, #text, p{  
    color:rgb(83, 110, 108)  
}
```

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(83, 110, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 110, 108) }
```

Border

The CSS property to change the border of an element to RYB 83, 97, 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(83, 110, 108) }
```

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

```
.border{ border-color:rgb(83, 110, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 110, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 110, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 110, 108);  
box-shadow:4px 4px 4px 4px rgb(83, 110,  
108) }
```

Background

The CSS property to change the background color of an element to RYB 83, 97, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 110, 108) }
```

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

```
.background{ background-color: rgb(83, 110,  
108) }
```

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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