

Converting Colors

`RYB(85, 98, 129)`

Have a look what the booklet for
RYB(85, 98, 129) contains.

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Color

R_YB(85, 98, 129)

Conversions

Conversions Part 1

Format	Color
Hex	556781
RGB	85, 103, 129
RGB Percent	33%, 40%, 51%
CMY	0.6667, 0.5943, 0.4941
CMYK	0.34, 0.20, 0.00, 0.49
HSL	215°, 21%, 42%
HSV	215°, 34%, 51%
XYZ	12.6041, 13.3069, 22.6731
YIQ	100.5820, -19.0740, 4.2700

Conversions

Conversions Part 2

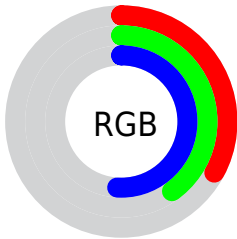
Format	Color
RYB	85, 98, 129
Decimal	5597057
CIELab	43.22, -0.29, -16.44
CIELCh	43, 16.440, 268.974
Yxy	13.3069, 0.2594, 0.2739
Android (android.graphics.Color)	4283787137 (0xFF556781)
YUV	100.5820, 14.0101, -13.6654
Hunter-Lab	36.4786, -2.1623, -11.3164

Details

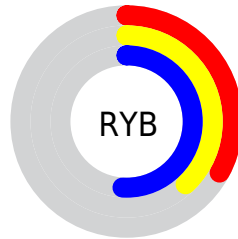
The RYB color **85, 98, 129** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **115, 129, 85**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **136, 149, 182**, and **37, 50, 80** is the 20% darker color. If you saturate the color by 10%, you get **72, 89, 129**, and if you desaturate by 10%, it is **98, 107, 129**.

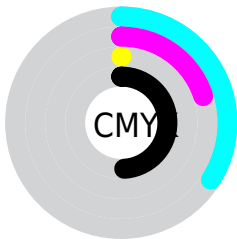
Distribution



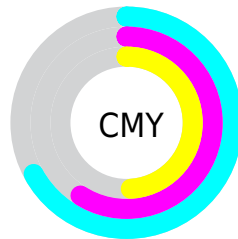
- Red (33%)
- Green (40%)
- Blue (51%)



- Red (33%)
- Yellow (38%)
- Blue (51%)



- Cyan (34%)
- Magenta (20%)
- Yellow (0%)
- Black (49%)



- Cyan (67%)
- Magenta (59%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 98, 129 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, 98, 129 by changing the saturation by 10% instead.



85, 98, 129



85, 98, 129

255, 255, 255



61, 74, 104



136, 149, 182



37, 51, 80



163, 176, 210



13, 28, 57



190, 204, 238



0, 9, 35



218, 231, 255



0, 0, 12



247, 251, 255



0, 0, 0



85, 98, 129



85, 98, 129



72, 89, 129



98, 107, 129



59, 80, 129



111, 116, 129

■ 46, 71, 129

■ 124, 125, 129

■ 33, 61, 129

■ 137, 137, 129

■ 20, 52, 129

■ 145, 150, 129

■ 8, 44, 129

■ 153, 162, 129

■ 0, 38, 129

■ 161, 175, 129

■ 172, 188, 129

■ 180, 201, 129

Harmonies

Analogous

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



69, 92, 125



85, 98, 129



104, 99, 126

Triad

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



85, 98, 129



130, 93, 90



82, 103, 108

Complementary

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



85, 98, 129



115, 129, 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.



78, 105, 85



85, 98, 129



124, 109, 79

Square

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



85, 98, 129



128, 92, 103



93, 113, 75



69, 92, 110

Rectangle

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



85, 98, 129



115, 96, 120



93, 113, 75



84, 107, 103

Sweetspot

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



85, 98, 129



151, 156, 168



85, 113, 129



74, 77, 84



212, 212, 212



84, 84, 84

Same Dimension

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



85, 98, 129



99, 119, 168



88, 85, 129



57, 59, 64



0, 37, 128



0, 0, 0

Inverse Universe

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



129, 85, 103



168, 99, 128



85, 129, 88



64, 57, 60



128, 0, 53



0, 0, 0

Previews

White Background



This preview shows how the RYB color 85, 98, 129 looks on a white background.

Color Contrast Check

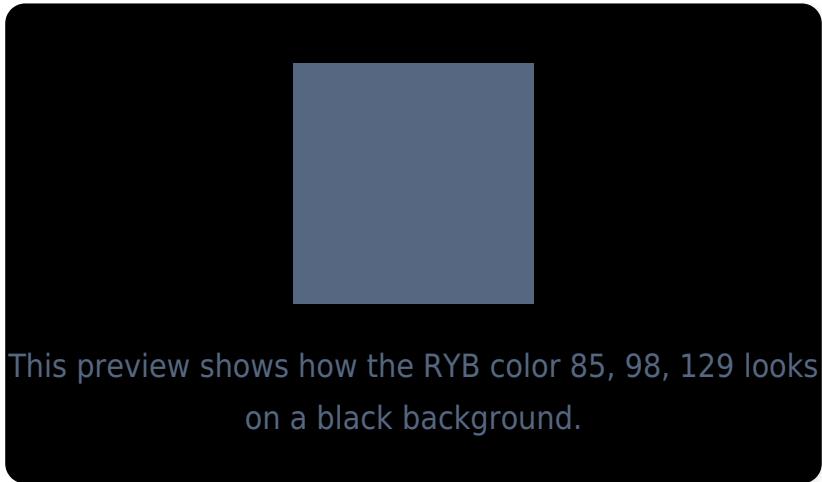
Large Text (above 18pt) WCAG AA ✓ Pass

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

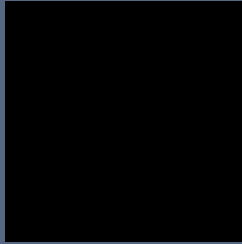
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

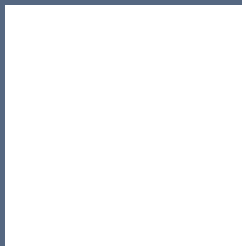
Any Text WCAG AAA × Fail

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

R_YB 85, 98, 129 Background



This preview shows how black text looks on a background with the R_YB color 85, 98, 129.



This preview shows how white text looks on a background with the R_YB color 85, 98, 129.

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, 98, 129

Protanopia

96, 100, 127

Deuteranopia

97, 100, 130



Tritanopia
82, 96, 115

Trichromacy



Original Color

85, 98, 129

Protanomaly

92, 100, 128

Deuteranomaly

93, 100, 130

Tritanomaly

83, 97, 120

Monochromacy



Original Color

85, 98, 129

Achromatopsia

101, 101, 101

Achromatomaly

95, 100, 111

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 98, 129 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, 103, 129) looks like.

```
.text, #text, p{  
    color:rgb(85, 103, 129)  
}
```

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, 103, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 103, 129) }
```

Border

The CSS property to change the border of an element to RYB 85, 98, 129 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, 103, 129) }
```

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

```
.border{ border-color:rgb(85, 103, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 103, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 103, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 103, 129);  
box-shadow:4px 4px 4px 4px rgb(85, 103,  
129) }
```

Background

The CSS property to change the background color of an element to RYB 85, 98, 129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 103, 129) }
```

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

```
.background{ background-color: rgb(85, 103,  
129) }
```

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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