

Converting Colors

`RYB(87, 109, 141)`

Have a look what the booklet for
RYB(87, 109, 141) contains.

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Color

R_YB(87, 109, 141)

Conversions

Conversions Part 1

Format	Color
Hex	577C8D
RGB	87, 124, 141
RGB Percent	34%, 49%, 55%
CMY	0.6588, 0.5132, 0.4471
CMYK	0.38, 0.12, 0.00, 0.45
HSL	199°, 24%, 45%
HSV	199°, 38%, 55%
XYZ	15.9615, 18.3960, 27.9088
YIQ	114.8750, -27.5090, -2.5570

Conversions

Conversions Part 2

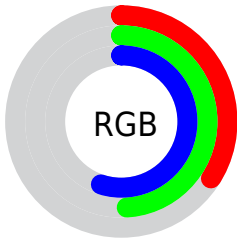
Format	Color
R_{YB}	87, 109, 141
Decimal	5733517
CIE _{Lab}	49.97, -8.51, -13.30
CIE _{LCh}	50, 15.788, 237.383
Yxy	18.3960, 0.2563, 0.2954
Android (android.graphics.Color)	4283923597 (0xFF577C8D)
YUV	114.8750, 12.8796, -24.4464
Hunter-Lab	42.8905, -8.6304, -8.5566

Details

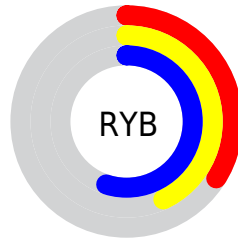
The RYB color **87, 109, 141** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **141, 112, 87**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **139, 162, 195**, and **37, 59, 91** is the 20% darker color. If you saturate the color by 10%, you get **73, 101, 141**, and if you desaturate by 10%, it is **101, 117, 141**.

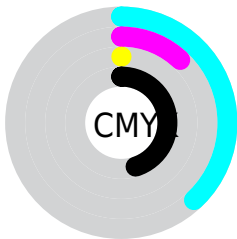
Distribution



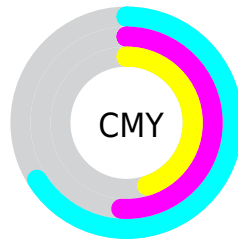
- Red (34%)
- Green (49%)
- Blue (55%)



- Red (34%)
- Yellow (43%)
- Blue (55%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (45%)



- Cyan (66%)
- Magenta (51%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 109, 141 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 87, 109, 141 by changing the saturation by 10% instead.



87, 109, 141



87, 109, 141

255, 255, 255



62, 84, 115



139, 162, 195



37, 59, 91



166, 189, 223



9, 34, 67



194, 217, 251



0, 18, 45



222, 239, 255



0, 1, 25



251, 253, 255



0, 0, 0



87, 109, 141



87, 109, 141



73, 101, 141



101, 117, 141



59, 92, 141



115, 126, 141

45, 84, 141

129, 134, 141

31, 76, 141

143, 143, 141

17, 67, 141

158, 148, 141

2, 59, 141

172, 156, 141

0, 57, 141

186, 161, 141

200, 167, 141

214, 175, 141

Harmonies

Analogous

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



82, 105, 131



87, 109, 141



102, 115, 145

Triad

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



87, 109, 141



145, 109, 121



95, 122, 101

Complementary

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



87, 109, 141



141, 112, 87

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.



110, 130, 92



87, 109, 141



147, 110, 107

Square

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



87, 109, 141



135, 112, 134



141, 122, 97



101, 122, 125

Rectangle

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



87, 109, 141



114, 117, 144



141, 122, 97



94, 121, 93

Sweetspot

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



87, 109, 141



163, 171, 184



87, 129, 141



80, 85, 92



219, 219, 219



92, 92, 92

Same Dimension

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



87, 109, 141



99, 133, 184



87, 96, 141



64, 67, 71



0, 55, 135



0, 3, 8

Inverse Universe

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



141, 87, 124



184, 99, 157



101, 141, 87



71, 64, 69



135, 0, 93



8, 0, 5

Previews

White Background



This preview shows how the RYB color 87, 109, 141 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 87, 109, 141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

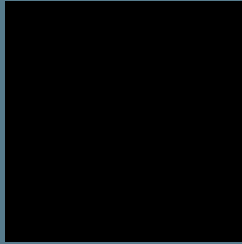
Any Text WCAG AA ✓ Pass

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](#).

R Y B 87, 109, 141 Background



This preview shows how black text looks on a background with the R Y B color 87, 109, 141.

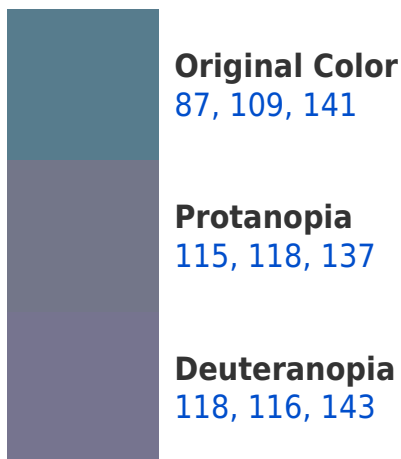


This preview shows how white text looks on a background with the R Y B color 87, 109, 141.

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





Tritanopia
85, 107, 135

Trichromacy



Original Color
87, 109, 141

Protanomaly
105, 115, 138

Deuteranomaly
107, 116, 142

Tritanomaly
86, 108, 137

Monochromacy



Original Color
87, 109, 141

Achromatopsia
115, 115, 115

Achromatomaly
105, 113, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 109, 141 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(87, 124, 141)` looks like.

```
.text, #text, p{  
    color:rgb(87, 124, 141)  
}
```

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(87, 124, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 124, 141) }
```

Border

The CSS property to change the border of an element to RYB 87, 109, 141 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(87, 124, 141) }
```

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

```
.border{ border-color:rgb(87, 124, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 124, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 124, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 124, 141);  
box-shadow:4px 4px 4px 4px rgb(87, 124,  
141) }
```

Background

The CSS property to change the background color of an element to RGB 87, 109, 141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 124, 141) }
```

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

```
.background{ background-color: rgb(87, 124,  
141) }
```

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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