

Converting Colors

`RYB(85, 107, 137)`

Have a look what the booklet for
RYB(85, 107, 137) contains.

RYB(85, 107, 137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(85, 107, 137)

Conversions

Conversions Part 1

Format	Color
Hex	557B89
RGB	85, 123, 137
RGB Percent	33%, 48%, 54%
CMY	0.6667, 0.5171, 0.4627
CMYK	0.38, 0.10, 0.00, 0.46
HSL	196°, 23%, 44%
HSV	196°, 38%, 54%
XYZ	15.3612, 17.9365, 26.3194
YIQ	113.2340, -27.1420, -3.7020

Conversions

Conversions Part 2

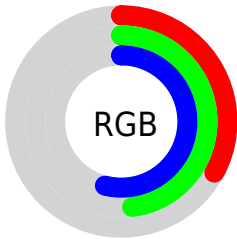
Format	Color
RYB	85, 107, 137
Decimal	5602185
CIELab	49.42, -9.63, -11.79
CIElCh	49, 15.224, 230.783
Yxy	17.9365, 0.2577, 0.3009
Android (android.graphics.Color)	4283792265 (0xFF557B89)
YUV	113.2340, 11.7166, -24.7612
Hunter-Lab	42.3515, -9.3718, -7.1998

Details

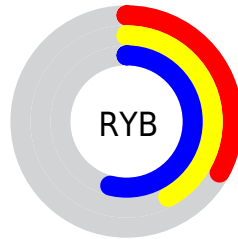
The RYB color **85, 107, 137** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **137, 104, 85**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **137, 159, 190**, and **35, 57, 87** is the 20% darker color. If you saturate the color by 10%, you get **71, 99, 137**, and if you desaturate by 10%, it is **99, 115, 137**.

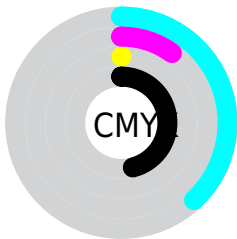
Distribution



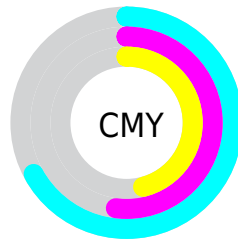
- Red (33%)
- Green (48%)
- Blue (54%)



- Red (33%)
- Yellow (42%)
- Blue (54%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (46%)























- Cyan (67%)
- Magenta (52%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 107, 137 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, 107, 137 by changing the saturation by 10% instead.

 85, 107, 137	 85, 107, 137
 255, 255, 255	 60, 82, 112
 137, 159, 190	 35, 57, 87
 164, 187, 218	 7, 32, 64
 191, 214, 247	 0, 18, 42
 219, 237, 255	 0, 1, 22
 248, 252, 255	 0, 0, 0

 85, 107, 137	 85, 107, 137
 71, 99, 137	 99, 115, 137
 58, 91, 137	 112, 122, 137

■ 44, 83, 137

■ 126, 131, 137

■ 30, 75, 137

■ 140, 139, 137

■ 16, 67, 137

■ 154, 142, 137

■ 3, 60, 137

■ 167, 148, 137

■ 0, 58, 137

■ 181, 154, 137

■ 195, 157, 137

■ 208, 163, 137

Harmonies

Analogous

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



82, 104, 126



85, 107, 137



97, 112, 143

Triad

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



85, 107, 137



141, 109, 122



93, 119, 94

Complementary

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



85, 107, 137



137, 104, 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.



119, 131, 92



85, 107, 137



144, 109, 109

Square

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



85, 107, 137



130, 111, 134



141, 117, 98



101, 123, 121

Rectangle

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



85, 107, 137



109, 115, 143



141, 117, 98



98, 123, 92

Sweetspot

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



85, 107, 137



159, 167, 179



85, 126, 137



78, 83, 89



217, 217, 217



89, 89, 89

Same Dimension

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



85, 107, 137



96, 131, 179



85, 95, 137



62, 65, 69



0, 56, 133



0, 2, 5

Inverse Universe

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



137, 85, 123



179, 96, 157



101, 137, 85



69, 62, 67



133, 0, 97



5, 0, 4

Previews

White Background



This preview shows how the RYB color 85, 107, 137 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, 107, 137 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, 107, 137 Background



This preview shows how black text looks on a background with the RYB color 85, 107, 137.

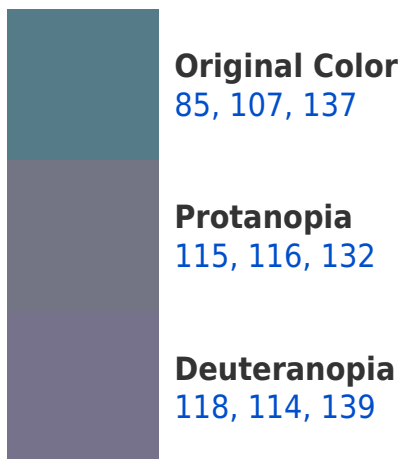


This preview shows how white text looks on a background with the RYB color 85, 107, 137.

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
84, 106, 134

Trichromacy



Original Color

85, 107, 137

Protanomaly

104, 114, 134

Deuteranomaly

106, 114, 138

Tritanomaly

84, 106, 135

Monochromacy



Original Color

85, 107, 137

Achromatopsia

113, 113, 113

Achromatomaly

103, 111, 122

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 107, 137 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, 123, 137)` looks like.

```
.text, #text, p{  
    color:rgb(85, 123, 137)  
}
```

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, 123, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 123, 137) }
```

Border

The CSS property to change the border of an element to RYB 85, 107, 137 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, 123, 137) }
```

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

```
.border{ border-color:rgb(85, 123, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 123, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 123, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 123, 137);  
box-shadow:4px 4px 4px 4px rgb(85, 123,  
137) }
```

Background

The CSS property to change the background color of an element to RYB 85, 107, 137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 123, 137) }
```

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

```
.background{ background-color: rgb(85, 123,  
137) }
```

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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