

Converting Colors

`RYB(89, 109, 146)`

Have a look what the booklet for
RYB(89, 109, 146) contains.

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Color

R_YB(89, 109, 146)

Conversions

Conversions Part 1

Format	Color
Hex	597892
RGB	89, 120, 146
RGB Percent	35%, 47%, 57%
CMY	0.6510, 0.5302, 0.4275
CMYK	0.39, 0.18, 0.00, 0.43
HSL	208°, 24%, 46%
HSV	208°, 39%, 57%
XYZ	16.0019, 17.5866, 29.7453
YIQ	113.6950, -26.8220, 1.5140

Conversions

Conversions Part 2

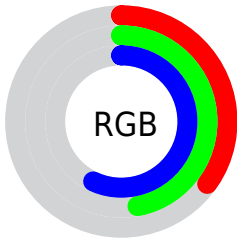
Format	Color
R _Y B	89, 109, 146
Decimal	5863570
CIE Lab	48.99, -4.05, -17.72
CIE LCh	49, 18.175, 257.140
Yxy	17.5866, 0.2527, 0.2777
Android (android.graphics.Color)	4284053650 (0xFF597892)
YUV	113.6950, 15.9264, -21.6575
Hunter-Lab	41.9364, -5.2777, -12.6986

Details

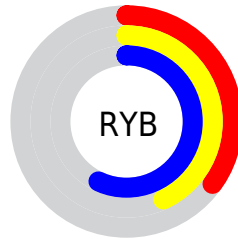
The RYB color **89, 109, 146** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **146, 137, 89**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **141, 161, 200**, and **39, 60, 95** is the 20% darker color. If you saturate the color by 10%, you get **74, 99, 146**, and if you desaturate by 10%, it is **104, 119, 146**.

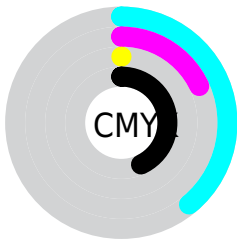
Distribution



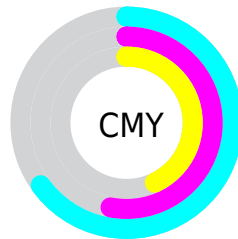
- Red (35%)
- Green (47%)
- Blue (57%)



- Red (35%)
- Yellow (43%)
- Blue (57%)



- Cyan (39%)
- Magenta (18%)
- Yellow (0%)
- Black (43%)























- Cyan (65%)
- Magenta (53%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 109, 146 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 89, 109, 146 by changing the saturation by 10% instead.

 89, 109, 146	 89, 109, 146
 255, 255, 255	 64, 84, 120
 141, 161, 200	 39, 59, 95
 168, 188, 228	 11, 34, 72
 196, 216, 255	 0, 18, 49
 224, 240, 255	 0, 2, 28
 253, 254, 255	 0, 0, 0

 89, 109, 146	 89, 109, 146
 74, 99, 146	 104, 119, 146
 60, 90, 146	 118, 128, 146

■ 45, 81, 146

■ 133, 138, 146

■ 31, 71, 146

■ 146, 147, 146

■ 16, 62, 146

■ 162, 158, 146

■ 1, 52, 146

■ 177, 172, 146

■ 0, 51, 146

■ 191, 185, 146

■ 206, 195, 146

■ 220, 209, 146

Harmonies

Analogous

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



74, 102, 138



89, 109, 146



110, 114, 146

Triad

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



89, 109, 146



148, 106, 108



95, 122, 116

Complementary

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



89, 109, 146



146, 137, 89

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.



88, 119, 87



89, 109, 146



144, 113, 94

Square

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



89, 109, 146



143, 106, 124



125, 134, 87



84, 109, 125

Rectangle

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



89, 109, 146



124, 111, 141



125, 134, 87



92, 121, 106

Sweetspot

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



89, 109, 146



166, 174, 189



89, 128, 146



81, 86, 94



222, 222, 222



94, 94, 94

Same Dimension

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



89, 109, 146



100, 131, 189



89, 92, 146



67, 70, 74



0, 48, 138



0, 4, 10

Inverse Universe

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



146, 89, 120



189, 100, 148



92, 146, 89



74, 67, 71



138, 0, 74



10, 0, 6

Previews

White Background



This preview shows how the RYB color 89, 109, 146 looks on a white background.

Color Contrast Check

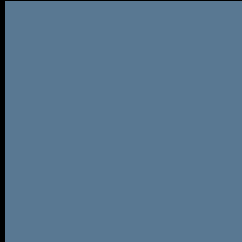
Large Text (above 18pt) WCAG AA ✓ Pass

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 89, 109, 146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

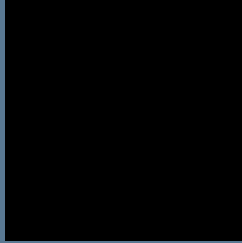
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

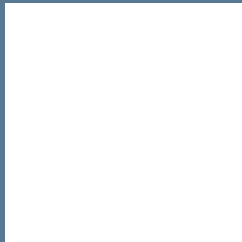
Any Text WCAG AAA × Fail

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

R Y B 89, 109, 146 Background



This preview shows how black text looks on a background with the R Y B color 89, 109, 146.



This preview shows how white text looks on a background with the R Y B color 89, 109, 146.

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, 106, 132

Trichromacy



Original Color

89, 109, 146

Protanomaly

102, 113, 144

Deuteranomaly

103, 113, 147

Tritanomaly

86, 107, 137

Monochromacy



Original Color

89, 109, 146

Achromatopsia

114, 114, 114

Achromatomaly

105, 112, 126

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 109, 146 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(89, 120, 146)` looks like.

```
.text, #text, p{  
    color:rgb(89, 120, 146)  
}
```

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(89, 120, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 120, 146) }
```

Border

The CSS property to change the border of an element to RYB 89, 109, 146 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(89, 120, 146) }
```

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

```
.border{ border-color:rgb(89, 120, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 120, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 120, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 120, 146);  
box-shadow:4px 4px 4px 4px rgb(89, 120,  
146) }
```

Background

The CSS property to change the background color of an element to RGB 89, 120, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 120, 146) }
```

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

```
.background{ background-color: rgb(89, 120,  
146) }
```

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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