

Converting Colors

`RYB(89, 104, 128)`

Have a look what the booklet for
RYB(89, 104, 128) contains.

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Color

R_YB(89, 104, 128)

Conversions

Conversions Part 1

Format	Color
Hex	597180
RGB	89, 113, 128
RGB Percent	35%, 44%, 50%
CMY	0.6510, 0.5554, 0.4980
CMYK	0.30, 0.11, 0.00, 0.50
HSL	202°, 18%, 43%
HSV	202°, 30%, 50%
XYZ	13.9632, 15.5765, 22.6927
YIQ	107.5340, -19.1190, -0.4230

Conversions

Conversions Part 2

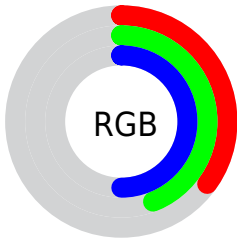
Format	Color
R_{YB}	89, 104, 128
Decimal	5861760
CIE _{Lab}	46.41, -5.20, -10.97
CIE _{LCh}	46, 12.138, 244.640
Yxy	15.5765, 0.2673, 0.2982
Android (android.graphics.Color)	4284051840 (0xFF597180)
YUV	107.5340, 10.0897, -16.2543
Hunter-Lab	39.4670, -5.9153, -6.4636

Details

The RYB color **89, 104, 128** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **128, 113, 89**, and the grayscale version is **108, 108, 108**.

A 20% lighter version of the original color is **140, 156, 181**, and **41, 56, 79** is the 20% darker color. If you saturate the color by 10%, you get **76, 96, 128**, and if you desaturate by 10%, it is **102, 112, 128**.

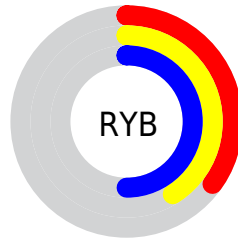
Distribution



Red (35%)

Green (44%)

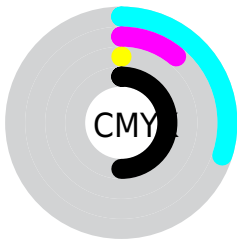
Blue (50%)



Red (35%)

Yellow (41%)

Blue (50%)

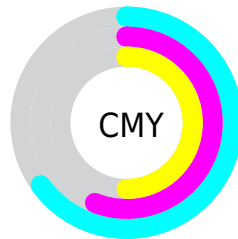


Cyan (30%)

Magenta (11%)

Yellow (0%)

Black (50%)



Cyan (65%)

Magenta (56%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 104, 128 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, 104, 128 by changing the saturation by 10% instead.



89, 104, 128



89, 104, 128

255, 255, 255



65, 80, 103



140, 156, 181



41, 56, 79



167, 183, 208



18, 33, 56



194, 210, 237



0, 14, 35



222, 237, 255



0, 0, 12



251, 253, 255



0, 0, 0



89, 104, 128



89, 104, 128



76, 96, 128



102, 112, 128



63, 88, 128



115, 120, 128

■ 51, 81, 128

■ 127, 128, 128

■ 38, 73, 128

■ 140, 137, 128

■ 25, 64, 128

■ 153, 142, 128

■ 12, 57, 128

■ 166, 150, 128

■ 0, 49, 128

■ 179, 158, 128

■ 191, 167, 128

■ 204, 175, 128

Harmonies

Analogous

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



83, 100, 121



89, 104, 128



101, 108, 130

Triad

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



89, 104, 128



131, 103, 109



93, 113, 101

Complementary

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



89, 104, 128



128, 113, 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.



98, 116, 90



89, 104, 128



131, 105, 99

Square

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



89, 104, 128



125, 104, 119



126, 116, 92



94, 110, 115

Rectangle

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



89, 104, 128



110, 108, 128



126, 116, 92



91, 112, 94

Sweetspot

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



89, 104, 128



151, 157, 166



89, 118, 128



75, 79, 84



212, 212, 212



84, 84, 84

Same Dimension

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



89, 104, 128



104, 128, 166



89, 93, 128



57, 60, 64



0, 49, 128



0, 0, 0

Inverse Universe

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



128, 89, 113



166, 104, 143



95, 128, 89



64, 57, 61



128, 0, 80



0, 0, 0

Previews

White Background



This preview shows how the RYB color 89, 104, 128 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, 104, 128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

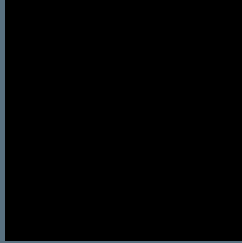
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

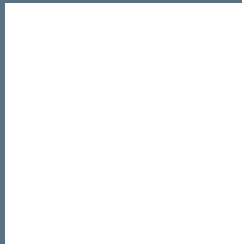
Any Text WCAG AAA × Fail

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

R Y B 89, 104, 128 Background



This preview shows how black text looks on a background with the RYB color 89, 104, 128.



This preview shows how white text looks on a background with the RYB color 89, 104, 128.

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

89, 104, 128

Protanopia

107, 109, 125

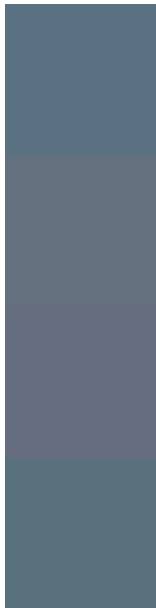
Deuteranopia

111, 107, 129



Tritanopia
88, 103, 123

Trichromacy



Original Color

89, 104, 128

Protanomaly

100, 108, 126

Deuteranomaly

103, 108, 129

Tritanomaly

88, 103, 125

Monochromacy



Original Color

89, 104, 128

Achromatopsia

108, 108, 108

Achromatomaly

101, 106, 115

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 104, 128 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, 113, 128)` looks like.

```
.text, #text, p{  
    color:rgb(89, 113, 128)  
}
```

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, 113, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 113, 128) }
```

Border

The CSS property to change the border of an element to RYB 89, 104, 128 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, 113, 128) }
```

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

```
.border{ border-color:rgb(89, 113, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 113, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 113, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 113, 128);  
box-shadow:4px 4px 4px 4px rgb(89, 113,  
128) }
```

Background

The CSS property to change the background color of an element to RYB 89, 104, 128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 113, 128) }
```

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

```
.background{ background-color: rgb(89, 113,  
128) }
```

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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