

Converting Colors

RGB(87, 116, 178)

Have a look what the booklet for
RGB(87, 116, 178) contains.

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Color

RGB(87, 116, 178)

Conversions

Conversions Part 1

Format	Color
Hex	5774B2
RGB	87, 116, 178
RGB Percent	34%, 45%, 70%
CMY	0.6588, 0.5451, 0.3020
CMYK	0.51, 0.35, 0.00, 0.30
HSL	221°, 37%, 52%
HSV	221°, 51%, 70%
XYZ	18.2118, 17.7314, 44.5821
YIQ	114.3970, -37.1860, 13.1340

Conversions

Conversions Part 2

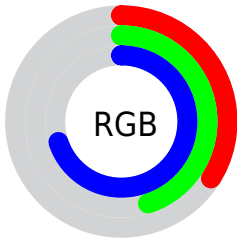
Format	Color
R_{YB}	87, 109, 178
Decimal	5731506
CIE _{Lab}	49.17, 7.35, -36.15
CIE _{LCh}	49, 36.893, 281.498
Yxy	17.7314, 0.2262, 0.2202
Android (android.graphics.Color)	4283921586 (0xFF5774B2)
YUV	114.3970, 31.3563, -24.0272
Hunter-Lab	42.1086, 3.5102, -33.2967

Details

The RGB color **87, 116, 178** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **178, 149, 87**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **142, 168, 234**, and **28, 68, 125** is the 20% darker color. If you saturate the color by 10%, you get **69, 104, 178**, and if you desaturate by 10%, it is **105, 128, 178**.

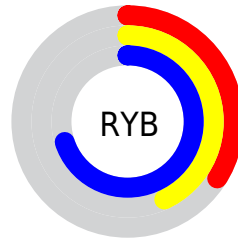
Distribution



Red (34%)

Green (45%)

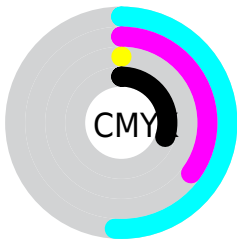
Blue (70%)



Red (34%)

Yellow (43%)

Blue (70%)

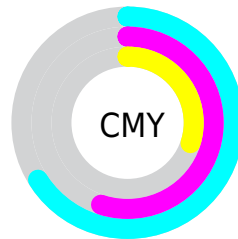


Cyan (51%)

Magenta (35%)

Yellow (0%)

Black (30%)



Cyan (66%)

Magenta (55%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 116, 178 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 RGB color 87, 116, 178 by changing the saturation by 10% instead.

■ 87, 116, 178

255, 255, 255

■ 142, 168, 234

■ 170, 195, 255

■ 198, 223, 255

■ 227, 251, 255

■ 87, 116, 178

■ 59, 92, 151

■ 28, 68, 125

■ 0, 46, 100

■ 0, 26, 75

■ 0, 2, 52

■ 0, 2, 30

■ 0, 0, 1

■ 0, 0, 0

■ 87, 116, 178

■ 87, 116, 178

■ 69, 104, 178

■ 105, 128, 178

■ 51, 92, 178

■ 123, 140, 178

■ 34, 80, 178

■ 140, 152, 178

■ 16, 67, 178

■ 158, 165, 178

■ 0, 57, 178

■ 176, 177, 178

■ 194, 189, 178

■ 212, 201, 178

■ 229, 213, 178

■ 247, 225, 178

Harmonies

Analogous

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



0, 126, 176



87, 116, 178



135, 104, 164

Triad

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



87, 116, 178



171, 97, 77



44, 131, 96

Complementary

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



87, 116, 178



178, 149, 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.



90, 127, 68



87, 116, 178



152, 108, 57

Square

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



87, 116, 178



176, 91, 106



124, 119, 53



0, 133, 128

Rectangle

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



87, 116, 178



157, 97, 147



124, 119, 53



62, 130, 86

Sweetspot

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



87, 116, 178



197, 208, 232



87, 178, 148



96, 103, 117



245, 245, 245



117, 117, 117

Same Dimension

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



87, 116, 178



90, 136, 232



102, 87, 178



80, 83, 89



0, 49, 153



0, 8, 26

Inverse Universe

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



178, 87, 116



232, 90, 136



163, 178, 87



89, 80, 83



153, 0, 49



26, 0, 8

Previews

White Background



This preview shows how the RGB color 87, 116, 178 looks on a white background.

Color Contrast Check

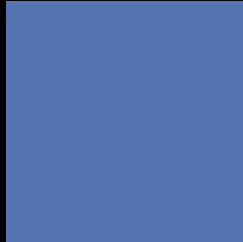
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 87, 116, 178 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

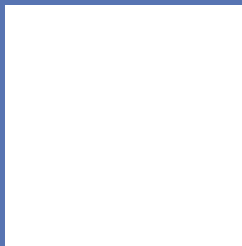
Any Text WCAG AAA × Fail

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

RGB 87, 116, 178 Background



This preview shows how black text looks on a background with the RGB color 87, 116, 178.



This preview shows how white text looks on a background with the RGB color 87, 116, 178.

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

87, 116, 178

Protanopia

95, 114, 177

Deuteranopia

86, 116, 178



Tritanopia
73, 125, 135

Trichromacy



Original Color
87, 116, 178

Protanomaly
92, 115, 177

Deuteranomaly
86, 116, 178

Tritanomaly
78, 122, 151

Monochromacy



Original Color
87, 116, 178

Achromatopsia
114, 114, 114

Achromatomaly
104, 115, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 116, 178 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, 116, 178)` looks like.

```
.text, #text, p{  
    color:rgb(87, 116, 178)  
}
```

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, 116, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 116, 178) }
```

Border

The CSS property to change the border of an element to RGB 87, 116, 178 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, 116, 178) }
```

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

```
.border{ border-color:rgb(87, 116, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 116, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 116, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 116, 178);  
box-shadow:4px 4px 4px 4px rgb(87, 116,  
178) }
```

Background

The CSS property to change the background color of an element to RGB 87, 116, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 116, 178) }
```

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

```
.background{ background-color: rgb(87, 116,  
178) }
```

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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