

Converting Colors

RGB(68, 107, 177)

Have a look what the booklet for
RGB(68, 107, 177) contains.

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Color

RGB(68, 107, 177)

Conversions

Conversions Part 1

Format	Color
Hex	446BB1
RGB	68, 107, 177
RGB Percent	27%, 42%, 69%
CMY	0.7333, 0.5804, 0.3059
CMYK	0.62, 0.40, 0.00, 0.31
HSL	219°, 44%, 48%
HSV	219°, 62%, 69%
XYZ	15.5774, 14.9187, 43.6535
YIQ	103.3190, -45.7140, 13.5020

Conversions

Conversions Part 2

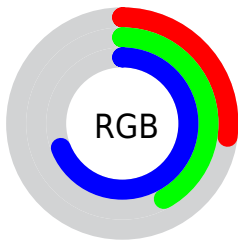
Format	Color
R_{YB}	68, 97, 177
Decimal	4484017
CIE _{Lab}	45.52, 8.44, -41.40
CIE _{LCh}	46, 42.253, 281.524
Yxy	14.9187, 0.2101, 0.2012
Android (android.graphics.Color)	4282674097 (0xFF446BB1)
YUV	103.3190, 36.3247, -30.9748
Hunter-Lab	38.6247, 4.3962, -39.9722

Details

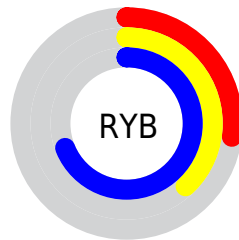
The RGB color **68, 107, 177** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **177, 138, 68**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **125, 158, 233**, and **0, 60, 124** is the 20% darker color. If you saturate the color by 10%, you get **50, 96, 177**, and if you desaturate by 10%, it is **86, 118, 177**.

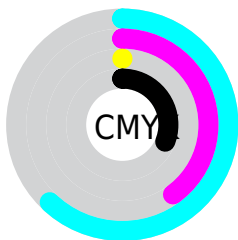
Distribution



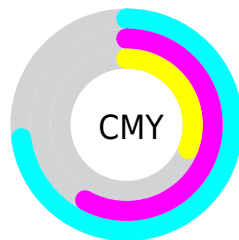
- Red (27%)
- Green (42%)
- Blue (69%)



- Red (27%)
- Yellow (38%)
- Blue (69%)



- Cyan (62%)
- Magenta (40%)
- Yellow (0%)
- Black (31%)


















- Cyan (73%)
- Magenta (58%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 68, 107, 177 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 68, 107, 177 by changing the saturation by 10% instead.

 68, 107, 177	 68, 107, 177
 255, 255, 255	 36, 83, 150
 125, 158, 233	 0, 60, 124
 153, 185, 255	 0, 39, 99
 182, 212, 255	 0, 19, 74
 211, 241, 255	 0, 4, 51
 241, 255, 255	 0, 2, 29
	 0, 0, 0

 68, 107, 177	 68, 107, 177
 50, 96, 177	 86, 118, 177

■ 33, 84, 177

■ 103, 130, 177

■ 15, 73, 177

■ 121, 141, 177

■ 0, 63, 177

■ 139, 152, 177

■ 157, 164, 177

■ 174, 175, 177

■ 192, 187, 177

■ 210, 198, 177

■ 227, 209, 177

Harmonies

Analogous

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



0, 118, 174



68, 107, 177



128, 93, 161

Triad

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



68, 107, 177



166, 85, 63



0, 124, 84

Complementary

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



68, 107, 177



177, 138, 68

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.



76, 119, 52



68, 107, 177



145, 98, 39

Square

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



68, 107, 177



173, 76, 95



114, 110, 34



0, 125, 121

Rectangle

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



68, 107, 177



152, 84, 142



114, 110, 34



38, 122, 73

Sweetspot

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



68, 107, 177



188, 203, 230



68, 177, 137



90, 99, 115



242, 242, 242



115, 115, 115

Same Dimension

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



68, 107, 177



60, 120, 230



83, 68, 177



80, 84, 89



0, 55, 153



0, 9, 26

Inverse Universe

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



177, 68, 107



230, 60, 120



162, 177, 68



89, 80, 84



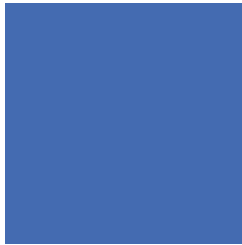
153, 0, 55



26, 0, 9

Previews

White Background



This preview shows how the RGB color 68, 107, 177 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 68, 107, 177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

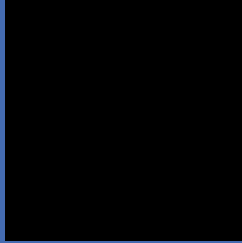
Any Text WCAG AA × Fail

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](#).

RGB 68, 107, 177 Background



This preview shows how black text looks on a background with the RGB color 68, 107, 177.



This preview shows how white text looks on a background with the RGB color 68, 107, 177.

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
68, 107, 177

Protanopia
79, 105, 175

Deuteranopia
63, 108, 177



Tritanopia

44, 118, 127

Trichromacy



Original Color
68, 107, 177

Protanomaly
75, 106, 176

Deuteranomaly
65, 108, 177

Tritanomaly
53, 114, 145

Monochromacy



Original Color
68, 107, 177

Achromatopsia
103, 103, 103

Achromatomaly
90, 104, 130

CSS Examples

Text

The CSS property to change the color of the text to RGB 68, 107, 177 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(68, 107, 177)` looks like.

```
.text, #text, p{  
    color:rgb(68, 107, 177)  
}
```

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(68, 107, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 107, 177) }
```

Border

The CSS property to change the border of an element to RGB 68, 107, 177 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(68, 107, 177) }
```

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

```
.border{ border-color:rgb(68, 107, 177) }
```

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

Here you see how a box with a 4 pixel rgb(68, 107, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 107, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 107, 177);  
box-shadow:4px 4px 4px 4px rgb(68, 107,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 68, 107, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 107, 177) }
```

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

```
.background{ background-color: rgb(68, 107,  
177) }
```

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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