

Converting Colors

RGB(103, 138, 232)

Have a look what the booklet for
RGB(103, 138, 232) contains.

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Color

RGB(103, 138, 232)

Conversions

Conversions Part 1

Format	Color
Hex	678AE8
RGB	103, 138, 232
RGB Percent	40%, 54%, 91%
CMY	0.5961, 0.4588, 0.0902
CMYK	0.56, 0.41, 0.00, 0.09
HSL	224°, 74%, 66%
HSV	224°, 56%, 91%
XYZ	29.2475, 26.8867, 79.9921
YIQ	138.2510, -51.0340, 21.8140

Conversions

Conversions Part 2

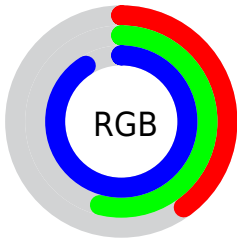
Format	Color
RYB	103, 131, 232
Decimal	6785768
CIELab	58.87, 14.85, -51.38
CIELCh	59, 53.482, 286.120
Yxy	26.8867, 0.2149, 0.1975
Android (android.graphics.Color)	4284975848 (0xFF678AE8)
YUV	138.2510, 46.2183, -30.9151
Hunter-Lab	51.8524, 9.9417, -55.1693

Details

The RGB color **103, 138, 232** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **232, 197, 103**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **162, 191, 255**, and **36, 89, 176** is the 20% darker color. If you saturate the color by 10%, you get **80, 121, 232**, and if you desaturate by 10%, it is **126, 155, 232**.

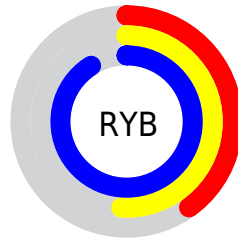
Distribution



Red (40%)

Green (54%)

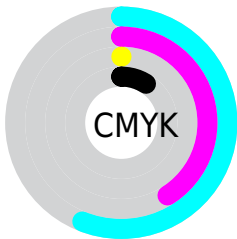
Blue (91%)



Red (40%)

Yellow (51%)

Blue (91%)

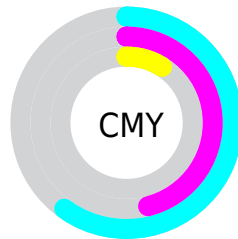


Cyan (56%)

Magenta (41%)

Yellow (0%)

Black (9%)



Cyan (60%)

Magenta (46%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the RGB color 103, 138, 232 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 103, 138, 232 by changing the saturation by 10% instead.

 103, 138, 232

 103, 138, 232

255, 255, 255

 72, 113, 204

 162, 191, 255

 36, 89, 176

 191, 219, 255

 0, 66, 149

 221, 247, 255

 0, 44, 122

 251, 255, 255

 0, 25, 97

 0, 1, 73

 0, 4, 49

 0, 1, 27

 0, 0, 0

■ 103, 138, 232

■ 103, 138, 232

■ 80, 121, 232

■ 126, 155, 232

■ 57, 104, 232

■ 149, 172, 232

■ 33, 87, 232

■ 173, 189, 232

■ 10, 70, 232

■ 196, 206, 232

■ 0, 63, 232

■ 219, 223, 232

■ 242, 239, 232

■ 255, 255, 232

Harmonies

Analogous

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



0, 153, 233



103, 138, 232



177, 119, 207

Triad

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



103, 138, 232



216, 113, 76



0, 163, 118

Complementary

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



103, 138, 232



232, 197, 103

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.



89, 158, 73



103, 138, 232



185, 131, 46

Square

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



103, 138, 232



228, 100, 118



143, 147, 44



0, 165, 166

Rectangle

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



103, 138, 232



206, 107, 181



143, 147, 44



23, 162, 102

Sweetspot

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



103, 138, 232



212, 223, 255



103, 232, 195



102, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



103, 138, 232



84, 131, 255



131, 103, 232



103, 106, 115



0, 48, 179



0, 14, 51

Inverse Universe

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



232, 103, 138



255, 84, 131



204, 232, 103



115, 103, 106



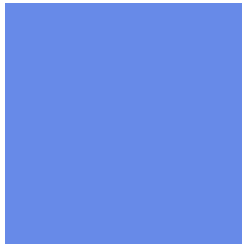
179, 0, 48



51, 0, 14

Previews

White Background



This preview shows how the RGB color 103, 138, 232 looks on a white background.

Color Contrast Check

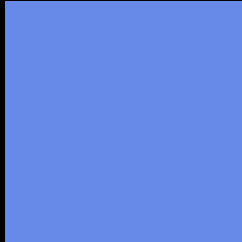
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 103, 138, 232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

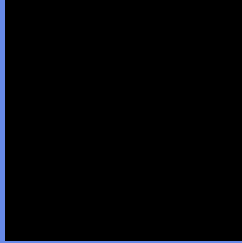
Any Text WCAG AA ✓ Pass

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 103, 138, 232 Background



This preview shows how black text looks on a background with the RGB color 103, 138, 232.



This preview shows how white text looks on a background with the RGB color 103, 138, 232.

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

103, 138, 232

Protanopia

103, 138, 232

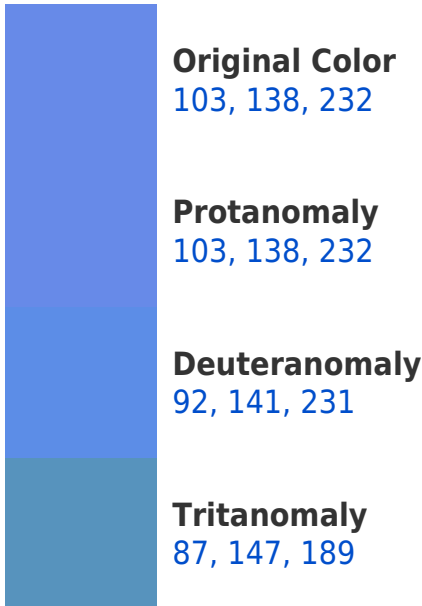
Deuteranopia

85, 142, 231

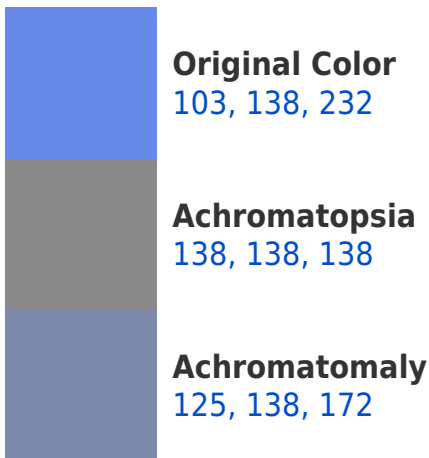


Tritanopia
78, 152, 165

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 103, 138, 232 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(103, 138, 232)` looks like.

```
.text, #text, p{  
    color:rgb(103, 138, 232)  
}
```

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(103, 138, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 138, 232) }
```

Border

The CSS property to change the border of an element to RGB 103, 138, 232 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(103, 138, 232) }
```

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

```
.border{ border-color:rgb(103, 138, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 138, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 138, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 138, 232); box-shadow:4px 4px 4px 4px rgb(103, 138, 232) }
```

Background

The CSS property to change the background color of an element to RGB 103, 138, 232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 138, 232) }
```

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

```
.background{ background-color: rgb(103,  
138, 232) }
```

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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