

Converting Colors

RGB(117, 180, 224)

Have a look what the booklet for
RGB(117, 180, 224) contains.

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Color

RGB(117, 180, 224)

Conversions

Conversions Part 1

Format	Color
Hex	75B4E0
RGB	117, 180, 224
RGB Percent	46%, 71%, 88%
CMY	0.5412, 0.2941, 0.1216
CMYK	0.48, 0.20, 0.00, 0.12
HSL	205°, 63%, 67%
HSV	205°, 48%, 88%
XYZ	37.1119, 41.8062, 76.6344
YIQ	166.1790, -51.6720, 0.3280

Conversions

Conversions Part 2

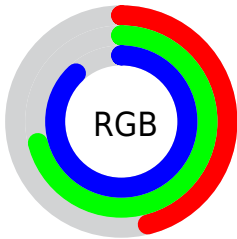
Format	Color
R _Y B	117, 157, 224
Decimal	7714016
CIE Lab	70.74, -8.42, -28.36
CIE LCh	71, 29.579, 253.469
Yxy	41.8062, 0.2386, 0.2688
Android (android.graphics.Color)	4285904096 (0xFF75B4E0)
YUV	166.1790, 28.5058, -43.1300
Hunter-Lab	64.6577, -10.6965, -25.0120

Details

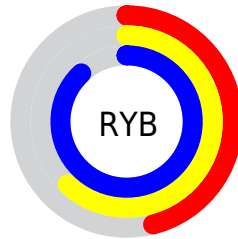
The RGB color **117, 180, 224** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **224, 161, 117**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **174, 236, 255**, and **59, 127, 169** is the 20% darker color. If you saturate the color by 10%, you get **95, 171, 224**, and if you desaturate by 10%, it is **139, 189, 224**.

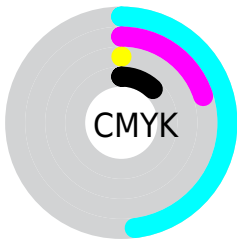
Distribution



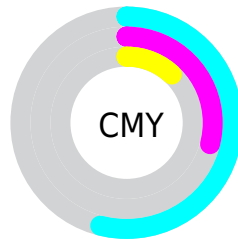
- Red (46%)
- Green (71%)
- Blue (88%)



- Red (46%)
- Yellow (62%)
- Blue (88%)



- Cyan (48%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)



- Cyan (54%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RGB color 117, 180, 224 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 117, 180, 224 by changing the saturation by 10% instead.

 117, 180, 224


255, 255, 255


 174, 236, 255


 203, 255, 255

 232, 255, 255

 117, 180, 224


 89, 153, 196

 59, 127, 169

 22, 102, 142

 0, 78, 116

 0, 56, 92

 0, 34, 68

 0, 9, 45

 0, 1, 24

 0, 0, 0

■ 117, 180, 224

■ 117, 180, 224

■ 95, 171, 224

■ 139, 189, 224

■ 72, 162, 224

■ 162, 198, 224

■ 50, 152, 224

■ 184, 208, 224

■ 27, 143, 224

■ 207, 217, 224

■ 5, 134, 224

■ 229, 226, 224

■ 0, 132, 224

■ 251, 235, 224

■ 255, 244, 224

■ 255, 254, 224

■ 255, 255, 224

Harmonies

Analogous

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



90, 186, 209



117, 180, 224



156, 171, 225

Triad

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



117, 180, 224



227, 153, 162



150, 182, 133

Complementary

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



117, 180, 224



224, 161, 117

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.



180, 175, 120



117, 180, 224



222, 158, 137

Square

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



117, 180, 224



217, 155, 189



205, 166, 122



119, 187, 157

Rectangle

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



117, 180, 224



181, 165, 218



205, 166, 122



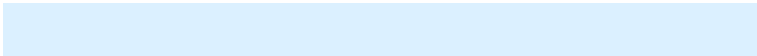
160, 180, 128

Sweetspot

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



117, 180, 224



219, 240, 255



117, 224, 160



106, 119, 128



0, 0, 0



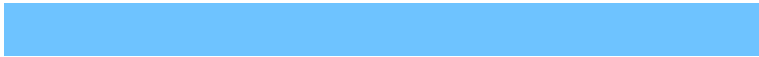
128, 128, 128

Same Dimension

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



117, 180, 224



110, 195, 255



117, 128, 224



101, 108, 112



0, 104, 176



0, 29, 48

Inverse Universe

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



224, 117, 180



255, 110, 195



224, 213, 117



112, 101, 108



176, 0, 104



48, 0, 29

Previews

White Background



This preview shows how the RGB color 117, 180, 224 looks on a white background.

Color Contrast Check

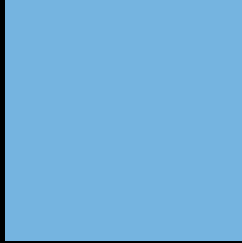
Large Text (above 18pt) WCAG AA × Fail

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 117, 180, 224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

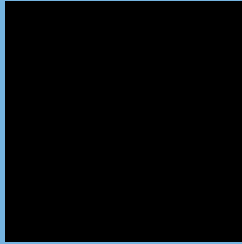
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

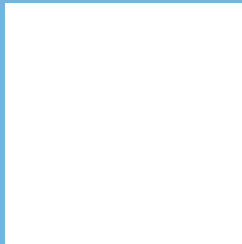
Any Text WCAG AAA ✓ Pass

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

RGB 117, 180, 224 Background



This preview shows how black text looks on a background with the RGB color 117, 180, 224.

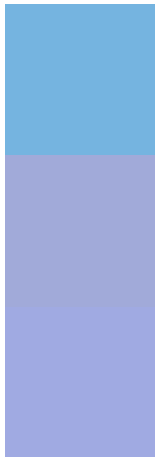


This preview shows how white text looks on a background with the RGB color 117, 180, 224.

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](#).

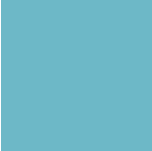
Dichromacy



Original Color
117, 180, 224

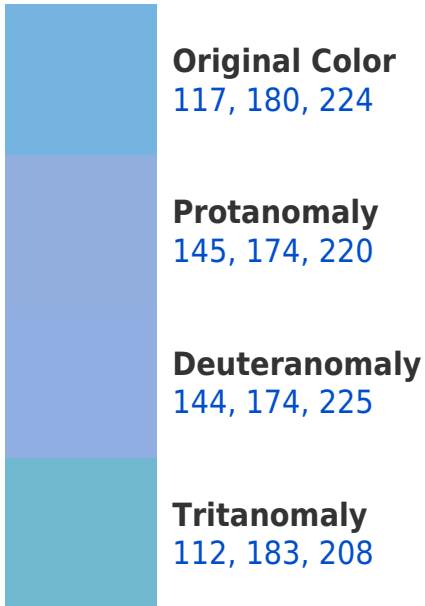
Protanopia
161, 170, 217

Deuteranopia
160, 170, 226

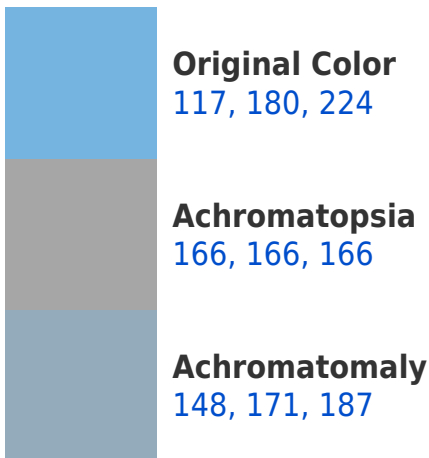


Tritanopia
109, 184, 199

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 180, 224 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(117, 180, 224)` looks like.

```
.text, #text, p{  
    color:rgb(117, 180, 224)  
}
```

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(117, 180, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 180, 224) }
```

Border

The CSS property to change the border of an element to RGB 117, 180, 224 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(117, 180, 224) }
```

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

```
.border{ border-color:rgb(117, 180, 224) }
```

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

Here you see how a box with a 4 pixel rgb(117, 180, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 180, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 180, 224);  
box-shadow:4px 4px 4px 4px rgb(117, 180,  
224) }
```

Background

The CSS property to change the background color of an element to RGB 117, 180, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 180, 224) }
```

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

```
.background{ background-color: rgb(117,  
180, 224) }
```

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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