

Converting Colors

RGB(117, 189, 120)

Have a look what the booklet for
RGB(117, 189, 120) contains.

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Color

RGB(117, 189, 120)

Conversions

Conversions Part 1

Format	Color
Hex	75BD78
RGB	117, 189, 120
RGB Percent	46%, 74%, 47%
CMY	0.5412, 0.2588, 0.5294
CMYK	0.38, 0.00, 0.37, 0.26
HSL	122°, 35%, 60%
HSV	122°, 38%, 74%
XYZ	28.9239, 41.5332, 24.2616
YIQ	159.6060, -20.7630, -36.7230

Conversions

Conversions Part 2

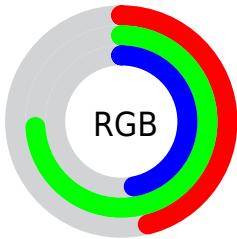
Format	Color
RYB	117, 186, 189
Decimal	7716216
CIELab	70.55, -36.74, 27.97
CIElCh	71, 46.174, 142.717
Yxy	41.5332, 0.3054, 0.4385
Android (android.graphics.Color)	4285906296 (0xFF75BD78)
YUV	159.6060, -19.5258, -37.3655
Hunter-Lab	64.4462, -32.6690, 22.7919

Details

The RGB color **117, 189, 120** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **189, 117, 186**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **172, 246, 173**, and **64, 135, 70** is the 20% darker color. If you saturate the color by 10%, you get **98, 189, 102**, and if you desaturate by 10%, it is **136, 189, 138**.

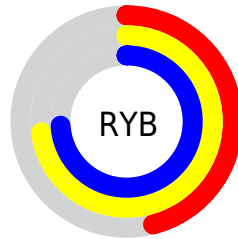
Distribution



Red (46%)

Green (74%)

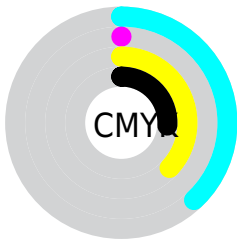
Blue (47%)



Red (46%)

Yellow (73%)

Blue (74%)

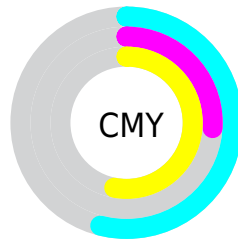


Cyan (38%)

Magenta (0%)

Yellow (37%)

Black (26%)



Cyan (54%)

Magenta (26%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RGB color 117, 189, 120 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, 189, 120 by changing the saturation by 10% instead.

 117, 189, 120


255, 255, 255

 172, 246, 173


 200, 255, 200


 229, 255, 229

 117, 189, 120

 90, 162, 95

 64, 135, 70

 36, 109, 47


 0, 84, 24


 0, 60, 0


 0, 39, 0

 0, 4, 0

 0, 0, 0

 117, 189, 120


 117, 189, 120

 98, 189, 102


 136, 189, 138

 79, 189, 84


 155, 189, 156


 60, 189, 66


 174, 189, 174


 41, 189, 48


 193, 189, 192

 22, 189, 29

 212, 189, 211

 4, 189, 11

 230, 189, 229

 0, 189, 8

 249, 189, 247

 255, 189, 255

Harmonies

Analogous

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



166, 180, 93



117, 189, 120



44, 194, 161

Triad

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



117, 189, 120



79, 180, 255



252, 140, 142

Complementary

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



117, 189, 120



189, 117, 186

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.



246, 139, 185



117, 189, 120



161, 166, 250

Square

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



117, 189, 120



0, 190, 238



215, 150, 224



238, 152, 107

Rectangle

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



117, 189, 120



0, 194, 190



215, 150, 224



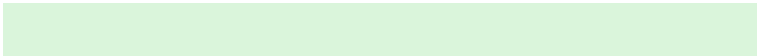
253, 138, 156

Sweetspot

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



117, 189, 120



218, 245, 219



187, 189, 117



106, 122, 107



250, 250, 250



122, 122, 122

Same Dimension

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



117, 189, 120



132, 245, 137



117, 189, 155



85, 94, 85



0, 158, 7



0, 31, 1

Inverse Universe

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



189, 117, 186



245, 132, 240



189, 117, 151



94, 85, 94



158, 0, 152



31, 0, 29

Previews

White Background



This preview shows how the RGB color 117, 189, 120 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, 189, 120 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, 189, 120 Background



This preview shows how black text looks on a background with the RGB color 117, 189, 120.



This preview shows how white text looks on a background with the RGB color 117, 189, 120.

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](#).

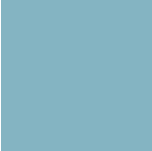
Dichromacy



Original Color
117, 189, 120

Protanopia
186, 172, 113

Deuteranopia
203, 165, 125



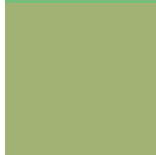
Tritanopia
132, 180, 194

Trichromacy



Original Color

117, 189, 120



Protanomaly

161, 178, 116



Deuteranomaly

172, 174, 123



Tritanomaly

127, 183, 167

Monochromacy



Original Color

117, 189, 120



Achromatopsia

160, 160, 160



Achromatomaly

144, 171, 145

CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 189, 120 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, 189, 120)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 120)  
}
```

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, 189, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 120) }
```

Border

The CSS property to change the border of an element to RGB 117, 189, 120 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, 189, 120) }
```

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

```
.border{ border-color:rgb(117, 189, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 120);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
120) }
```

Background

The CSS property to change the background color of an element to RGB 117, 189, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 120) }
```

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

```
.background{ background-color: rgb(117,  
189, 120) }
```

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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