

Converting Colors

RGB(133, 180, 102)

Have a look what the booklet for
RGB(133, 180, 102) contains.

RGB(133, 180, 102)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RGB(133, 180, 102)

Conversions

Conversions Part 1	
Format	Color
Hex	85B466
RGB	133, 180, 102
RGB Percent	52%, 71%, 40%
CMY	0.4784, 0.2941, 0.6000
CMYK	0.26, 0.00, 0.43, 0.29
HSL	96°, 34%, 55%
HSV	96°, 43%, 71%
XYZ	28.3924, 38.5884, 18.5222
YIQ	157.0550, -2.9740, -34.2220

Conversions

Conversions Part 2

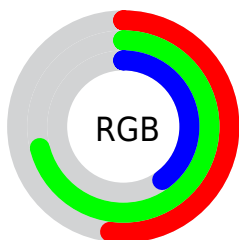
Format	Color
RYB	102, 180, 149
Decimal	8762470
CIELab	68.45, -29.78, 34.79
CIELCh	68, 45.793, 130.562
Yxy	38.5884, 0.3321, 0.4513
Android (android.graphics.Color)	4286952550 (0xFF85B466)
YUV	157.0550, -27.1421, -21.0962
Hunter-Lab	62.1195, -27.1239, 25.8051

Details

The RGB color **133, 180, 102** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **149, 102, 180**, and the grayscale version is **157, 157, 157**.

A 20% lighter version of the original color is **188, 236, 154**, and **81, 127, 53** is the 20% darker color. If you saturate the color by 10%, you get **122, 180, 84**, and if you desaturate by 10%, it is **144, 180, 120**.

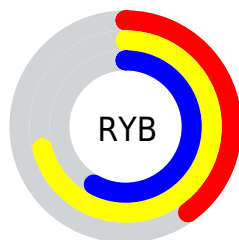
Distribution



Red (52%)

Green (71%)

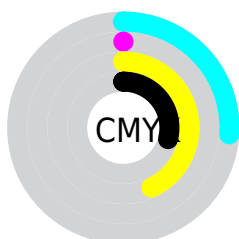
Blue (40%)



Red (40%)

Yellow (71%)

Blue (58%)

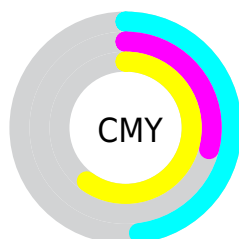


Cyan (26%)

Magenta (0%)

Yellow (43%)

Black (29%)



Cyan (48%)

Magenta (29%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RGB color 133, 180, 102 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 133, 180, 102 by changing the saturation by 10% instead.

 133, 180, 102

255, 255, 255

 188, 236, 154


 216, 255, 181

 245, 255, 209

 255, 255, 238


 133, 180, 102

 107, 153, 77

 81, 127, 53

 56, 102, 29

 30, 77, 3

 3, 54, 0


 0, 34, 0


 0, 0, 0

 133, 180, 102


 122, 180, 84


 133, 180, 102


 144, 180, 120


 111, 180, 66

 155, 180, 138


 100, 180, 48


 166, 180, 156


 90, 180, 30

 176, 180, 174


 79, 180, 12


 187, 180, 192

 72, 180, 0

 198, 180, 210

 209, 180, 228

 220, 180, 246

 231, 180, 255

Harmonies

Analogous

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



178, 169, 83



133, 180, 102



75, 186, 138

Triad

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



133, 180, 102



0, 179, 244



246, 133, 154

Complementary

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



133, 180, 102



149, 102, 180

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.



230, 137, 195



133, 180, 102



126, 166, 248

Square

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



133, 180, 102



0, 186, 220



190, 150, 230



239, 141, 115

Rectangle

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



133, 180, 102



0, 188, 166



190, 150, 230



243, 133, 168

Sweetspot

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



133, 180, 102



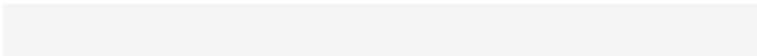
216, 235, 204



180, 149, 102



106, 117, 99



245, 245, 245



117, 117, 117

Same Dimension

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



133, 180, 102



161, 235, 113



102, 180, 110



84, 89, 80



61, 153, 0



10, 26, 0

Inverse Universe

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



149, 102, 180



186, 113, 235



180, 102, 172



86, 80, 89



92, 0, 153



15, 0, 26

Previews

White Background



This preview shows how the RGB color 133, 180, 102 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 133, 180, 102 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 133, 180, 102 Background



This preview shows how black text looks on a background with the RGB color 133, 180, 102.



This preview shows how white text looks on a background with the RGB color 133, 180, 102.

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

133, 180, 102

Protanopia

182, 166, 97

Deuteranopia




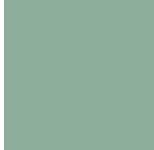
200, 159, 107




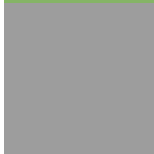
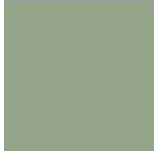
Tritanopia

146, 170, 184

Trichromacy

	Original Color 133, 180, 102
	Protanomaly 164, 171, 99
	Deuteranomaly 176, 167, 105
	Tritanomaly 141, 174, 154

Monochromacy

	Original Color 133, 180, 102
	Achromatopsia 157, 157, 157
	Achromatomaly 148, 165, 137

CSS Examples

Text

The CSS property to change the color of the text to RGB 133, 180, 102 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(133, 180, 102)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 102)  
}
```

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(133, 180, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 102) }
```

Border

The CSS property to change the border of an element to RGB 133, 180, 102 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(133, 180, 102) }
```

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

```
.border{ border-color:rgb(133, 180, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 102);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
102) }
```

Background

The CSS property to change the background color of an element to RGB 133, 180, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 102) }
```

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

```
.background{ background-color: rgb(133,  
180, 102) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor