

Converting Colors

RGB(123, 188, 142)

Have a look what the booklet for
RGB(123, 188, 142) contains.

RGB(123, 188, 142)	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(123, 188, 142)

Conversions

Conversions Part 1

Format	Color
Hex	7BBC8E
RGB	123, 188, 142
RGB Percent	48%, 74%, 56%
CMY	0.5176, 0.2627, 0.4431
CMYK	0.35, 0.00, 0.24, 0.26
HSL	138°, 33%, 61%
HSV	138°, 35%, 74%
XYZ	31.0341, 42.1304, 32.0875
YIQ	163.3210, -23.9740, -28.0860

Conversions

Conversions Part 2

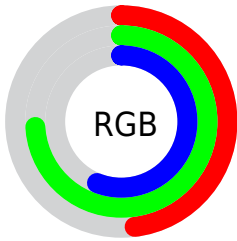
Format	Color
RYB	123, 173, 188
Decimal	8109198
CIELab	70.96, -30.53, 16.84
CIElCh	71, 34.867, 151.121
Yxy	42.1304, 0.2949, 0.4003
Android (android.graphics.Color)	4286299278 (0xFF7BBC8E)
YUV	163.3210, -10.5113, -35.3615
Hunter-Lab	64.9079, -28.2436, 16.1253

Details

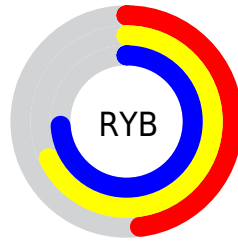
The RGB color **123, 188, 142** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **188, 123, 169**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **177, 245, 196**, and **71, 134, 92** is the 20% darker color. If you saturate the color by 10%, you get **104, 188, 129**, and if you desaturate by 10%, it is **142, 188, 155**.

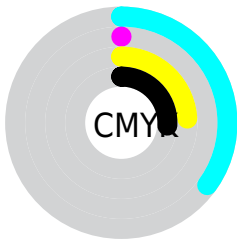
Distribution



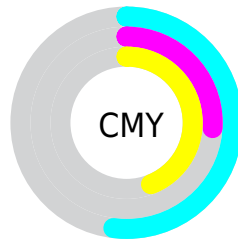
- Red (48%)
- Green (74%)
- Blue (56%)



- Red (48%)
- Yellow (68%)
- Blue (74%)



- Cyan (35%)
- Magenta (0%)
- Yellow (24%)
- Black (26%)



- Cyan (52%)
- Magenta (26%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RGB color 123, 188, 142 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 123, 188, 142 by changing the saturation by 10% instead.

 123, 188, 142


255, 255, 255


 177, 245, 196

 205, 255, 224

 234, 255, 252

 123, 188, 142

 97, 161, 116

 71, 134, 92

 45, 109, 68

 16, 84, 45

 0, 60, 24


 0, 38, 0

 0, 7, 0


 0, 0, 0


 123, 188, 142


 123, 188, 142

 104, 188, 129

 142, 188, 155

 85, 188, 115

 161, 188, 169

 67, 188, 102


 179, 188, 182

 48, 188, 89


 198, 188, 195

 29, 188, 75


 217, 188, 209

 10, 188, 62

 236, 188, 222

 0, 188, 55

 255, 188, 235

 255, 188, 248

 255, 188, 255

Harmonies

Analogous

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



161, 182, 118



123, 188, 142



84, 191, 174

Triad

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



123, 188, 142



132, 176, 237



235, 152, 142

Complementary

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



123, 188, 142



188, 123, 169

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.



234, 149, 174



123, 188, 142



179, 165, 228

Square

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



123, 188, 142



82, 185, 228



215, 155, 205



220, 161, 119

Rectangle

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



123, 188, 142



63, 191, 195



215, 155, 205



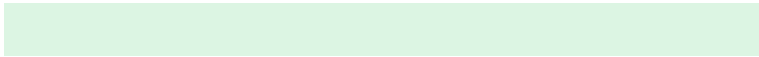
236, 150, 152

Sweetspot

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



123, 188, 142



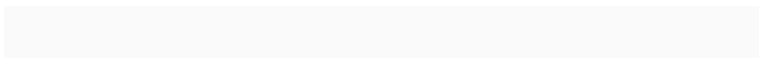
220, 245, 227



170, 188, 123



108, 122, 112



250, 250, 250



122, 122, 122

Same Dimension

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



123, 188, 142



144, 245, 174



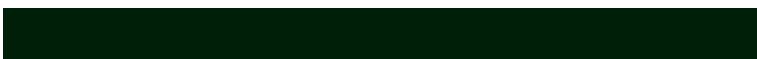
123, 188, 174



85, 94, 88



0, 158, 46



0, 31, 9

Inverse Universe

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



188, 123, 169



245, 144, 215



188, 123, 137



94, 85, 92



158, 0, 112



31, 0, 22

Previews

White Background



This preview shows how the RGB color 123, 188, 142 looks on a white background.

Color Contrast Check

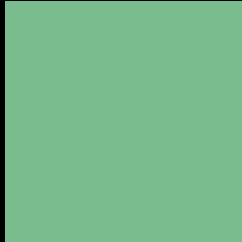
Large Text (above 18pt) WCAG AA × Fail

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 123, 188, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

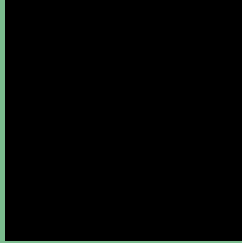
Any Text WCAG AA ✓ Pass

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 123, 188, 142 Background



This preview shows how black text looks on a background with the RGB color 123, 188, 142.

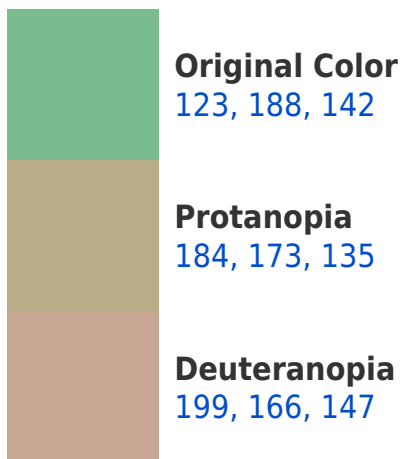


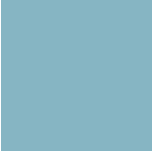
This preview shows how white text looks on a background with the RGB color 123, 188, 142.

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](#).

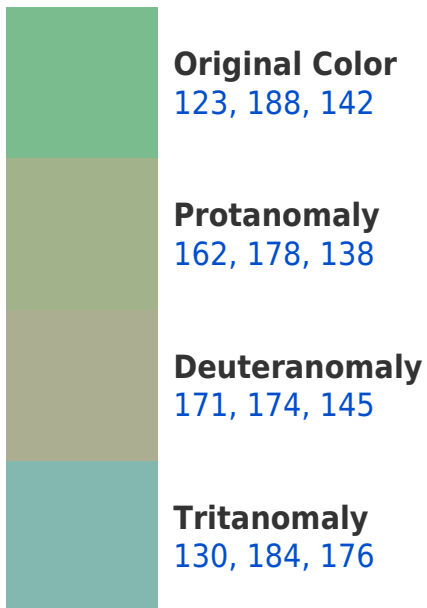
Dichromacy



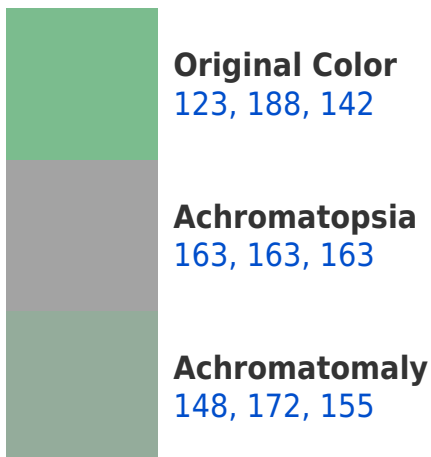


Tritanopia
134, 181, 195

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 123, 188, 142 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(123, 188, 142)` looks like.

```
.text, #text, p{  
    color:rgb(123, 188, 142)  
}
```

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(123, 188, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 188, 142) }
```

Border

The CSS property to change the border of an element to RGB 123, 188, 142 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(123, 188, 142) }
```

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

```
.border{ border-color:rgb(123, 188, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 188, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 188, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 188, 142);  
box-shadow:4px 4px 4px 4px rgb(123, 188,  
142) }
```

Background

The CSS property to change the background color of an element to RGB 123, 188, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 188, 142) }
```

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

```
.background{ background-color: rgb(123,  
188, 142) }
```

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