

Converting Colors

RGB(116, 212, 189)

Have a look what the booklet for
RGB(116, 212, 189) contains.

RGB(116, 212, 189)	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(116, 212, 189)

Conversions

Conversions Part 1

Format	Color
Hex	74D4BD
RGB	116, 212, 189
RGB Percent	45%, 83%, 74%
CMY	0.5451, 0.1686, 0.2588
CMYK	0.45, 0.00, 0.11, 0.17
HSL	166°, 53%, 64%
HSV	166°, 45%, 83%
XYZ	39.9313, 54.4741, 56.5541
YIQ	180.6740, -49.8330, -27.5050

Conversions

Conversions Part 2

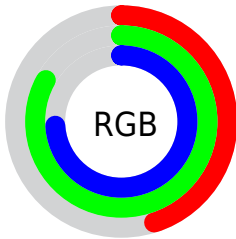
Format	Color
RYB	116, 171, 212
Decimal	7656637
CIELab	78.74, -33.87, 2.57
CIELCh	79, 33.969, 175.656
Yxy	54.4741, 0.2645, 0.3609
Android (android.graphics.Color)	4285846717 (0xFF74D4BD)
YUV	180.6740, 4.1047, -56.7191
Hunter-Lab	73.8066, -32.5884, 6.2338

Details

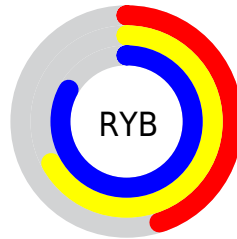
The RGB color **116, 212, 189** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **212, 116, 139**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **173, 255, 245**, and **58, 157, 136** is the 20% darker color. If you saturate the color by 10%, you get **95, 212, 184**, and if you desaturate by 10%, it is **137, 212, 194**.

Distribution



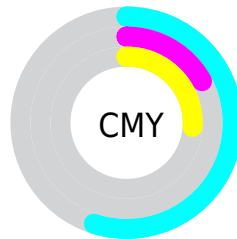
- Red (45%)
- Green (83%)
- Blue (74%)



- Red (45%)
- Yellow (67%)
- Blue (83%)



- Cyan (45%)
- Magenta (0%)
- Yellow (11%)
- Black (17%)



- Cyan (55%)
- Magenta (17%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RGB color 116, 212, 189 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 116, 212, 189 by changing the saturation by 10% instead.

 116, 212, 189


255, 255, 255


 173, 255, 245


 202, 255, 255


 231, 255, 255


 116, 212, 189

 88, 184, 162

 58, 157, 136

 22, 130, 110

 0, 105, 86

 0, 80, 63

 0, 56, 41

 0, 36, 21

 0, 0, 0

 116, 212, 189

 116, 212, 189

■ 95, 212, 184

■ 137, 212, 194

■ 74, 212, 179

■ 158, 212, 199

■ 52, 212, 174

■ 180, 212, 204

■ 31, 212, 169

■ 201, 212, 209

■ 10, 212, 164

■ 222, 212, 214

■ 0, 212, 161

■ 243, 212, 219

■ 255, 212, 225

■ 255, 212, 230

■ 255, 212, 235

Harmonies

Analogous

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



152, 208, 158



116, 212, 189



92, 212, 221

Triad

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



116, 212, 189



193, 188, 252



246, 181, 144

Complementary

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



116, 212, 189



212, 116, 139

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.



255, 173, 169



116, 212, 189



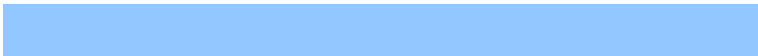
231, 178, 231

Square

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



116, 212, 189



146, 199, 255



253, 172, 201



221, 191, 132

Rectangle

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



116, 212, 189



96, 209, 239



253, 172, 201



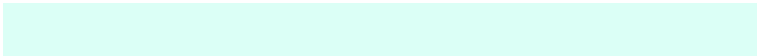
251, 178, 151

Sweetspot

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



116, 212, 189



219, 255, 246



140, 212, 116



106, 128, 122



0, 0, 0



128, 128, 128

Same Dimension

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



116, 212, 189



117, 255, 222



116, 188, 212



96, 107, 105



0, 171, 130



0, 43, 33

Inverse Universe

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



212, 116, 139



255, 117, 150



212, 140, 116



107, 96, 99



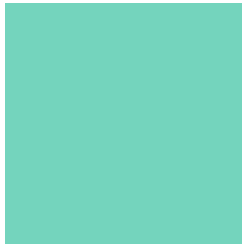
171, 0, 41



43, 0, 10

Previews

White Background



This preview shows how the RGB color 116, 212, 189 looks on a white background.

Color Contrast Check

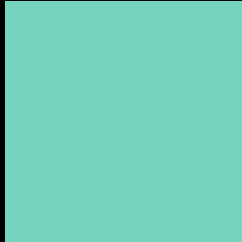
Large Text (above 18pt) WCAG AA × Fail

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 116, 212, 189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

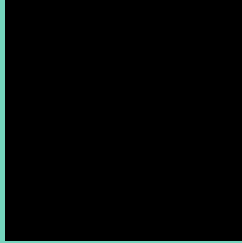
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

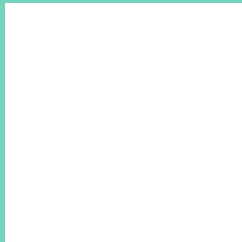
Any Text WCAG AAA ✓ Pass

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

RGB 116, 212, 189 Background



This preview shows how black text looks on a background with the RGB color 116, 212, 189.



This preview shows how white text looks on a background with the RGB color 116, 212, 189.

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](#).

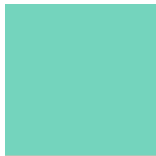
Dichromacy





Tritanopia
126, 207, 224

Trichromacy



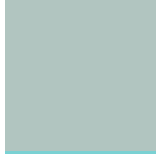
Original Color

116, 212, 189



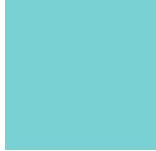
Protanomaly

170, 200, 183



Deuteranomaly

177, 197, 192



Tritanomaly

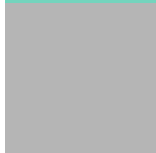
122, 209, 211

Monochromacy



Original Color

116, 212, 189



Achromatopsia

181, 181, 181



Achromatomaly

157, 192, 184

CSS Examples

Text

The CSS property to change the color of the text to RGB 116, 212, 189 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(116, 212, 189)` looks like.

```
.text, #text, p{  
    color:rgb(116, 212, 189)  
}
```

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(116, 212, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 212, 189) }
```

Border

The CSS property to change the border of an element to RGB 116, 212, 189 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(116, 212, 189) }
```

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

```
.border{ border-color:rgb(116, 212, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 212, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 212, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 212, 189);  
box-shadow:4px 4px 4px 4px rgb(116, 212,  
189) }
```

Background

The CSS property to change the background color of an element to RGB 116, 212, 189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 212, 189) }
```

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

```
.background{ background-color: rgb(116,  
212, 189) }
```

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