

# Converting Colors

RGB(128, 212, 206)

Have a look what the booklet for  
RGB(128, 212, 206) contains.

<b>RGB(128, 212, 206)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**RGB(128, 212, 206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D4CE
RGB	128, 212, 206
RGB Percent	50%, 83%, 81%
CMY	0.4980, 0.1686, 0.1922
CMYK	0.40, 0.00, 0.03, 0.17
HSL	176°, 49%, 67%
HSV	176°, 40%, 83%
XYZ	43.5861, 56.1324, 66.9299
YIQ	186.2000, -48.1380, -19.6740

# Conversions

## Conversions Part 2

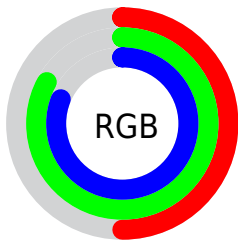
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 172, 212
Decimal	8443086
CIELab	79.69, -26.88, -5.07
CIELCh	80, 27.354, 190.684
Yxy	56.1324, 0.2615, 0.3368
Android (android.graphics.Color)	4286633166 (0xFF80D4CE)
YUV	186.2000, 9.7614, -51.0414
Hunter-Lab	74.9216, -27.2691, -0.5206

# Details

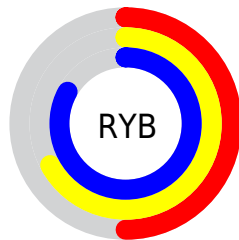
The RGB color **128, 212, 206** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **212, 128, 134**, and the grayscale version is **186, 186, 186**.

A 20% lighter version of the original color is **184, 255, 255**, and **72, 157, 152** is the 20% darker color. If you saturate the color by 10%, you get **107, 212, 204**, and if you desaturate by 10%, it is **149, 212, 208**.

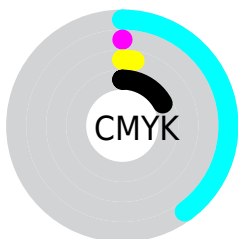
# Distribution



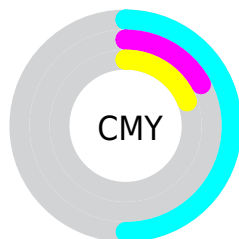
- Red (50%)
- Green (83%)
- Blue (81%)



- Red (50%)
- Yellow (67%)
- Blue (83%)



- Cyan (40%)
- Magenta (0%)
- Yellow (3%)
- Black (17%)



- Cyan (50%)
- Magenta (17%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the RGB color 128, 212, 206 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 128, 212, 206 by changing the saturation by 10% instead.




 128, 212, 206

 128, 212, 206


255, 255, 255

 100, 184, 179

 184, 255, 255


 72, 157, 152


 213, 255, 255

 42, 131, 126

 243, 255, 255

 0, 105, 101

 0, 81, 77

 0, 57, 54

 0, 36, 33

 0, 0, 11

 0, 0, 0

 128, 212, 206


 128, 212, 206

 107, 212, 204

 149, 212, 208

 86, 212, 203

 170, 212, 209

 64, 212, 201

 192, 212, 211

 43, 212, 200

 213, 212, 212

 22, 212, 198

 234, 212, 214

 1, 212, 197

 255, 212, 215

 0, 212, 197

 255, 212, 217

 255, 212, 218

 255, 212, 220

# Harmonies

## Analogous

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



150, 211, 180



128, 212, 206



125, 210, 230

# Triad

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



128, 212, 206



213, 188, 236



231, 190, 150

# Complementary

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



128, 212, 206



212, 128, 134

# 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, 183, 165



128, 212, 206



238, 181, 215

# Square

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



128, 212, 206



179, 197, 247



249, 179, 189



207, 199, 147

# Rectangle

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



128, 212, 206



136, 207, 241



249, 179, 189



237, 187, 154



# Sweetspot

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



128, 212, 206



224, 255, 253



135, 212, 128



110, 128, 126



0, 0, 0



128, 128, 128



# Same Dimension

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



128, 212, 206



133, 255, 246



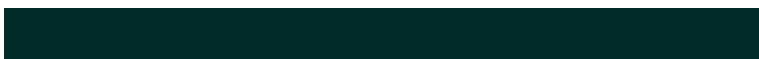
128, 177, 212



96, 107, 106



0, 171, 159



0, 43, 40



# Inverse Universe

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



212, 128, 134



255, 133, 141



212, 163, 128



107, 96, 97



171, 0, 12

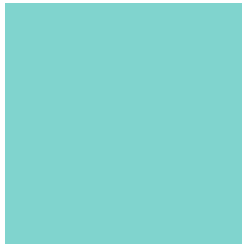


43, 0, 3



# Previews

## White Background



This preview shows how the RGB color 128, 212, 206 looks on a white background.

## Color Contrast Check

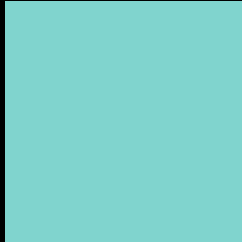
Large Text (above 18pt) WCAG AA × Fail

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 128, 212, 206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

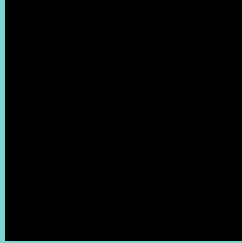
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

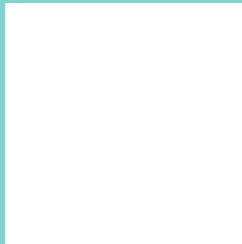
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## RGB 128, 212, 206 Background



This preview shows how black text looks on a background with the RGB color 128, 212, 206.

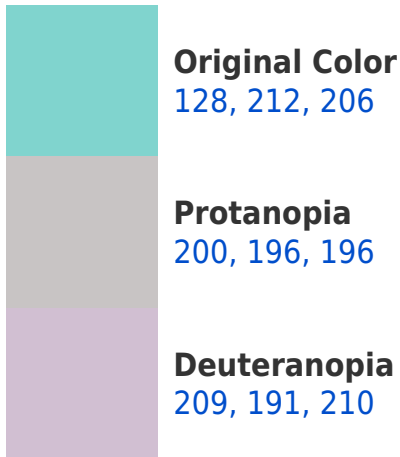


This preview shows how white text looks on a background with the RGB color 128, 212, 206.

# 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**  
133, 209, 226

# Trichromacy



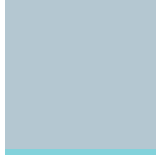
**Original Color**

128, 212, 206



**Protanomaly**

174, 202, 200



**Deuteranomaly**

180, 199, 209



**Tritanomaly**

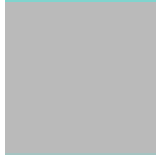
131, 210, 219

# Monochromacy



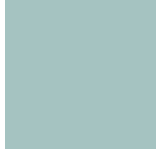
**Original Color**

128, 212, 206



**Achromatopsia**

186, 186, 186



**Achromatomaly**

165, 195, 193

# CSS Examples

## Text

The CSS property to change the color of the text to RGB 128, 212, 206 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(128, 212, 206)` looks like.

```
.text, #text, p{  
    color:rgb(128, 212, 206)  
}
```

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(128, 212, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 212, 206) }
```

## Border

The CSS property to change the border of an element to RGB 128, 212, 206 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(128, 212, 206) }
```

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

```
.border{ border-color:rgb(128, 212, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 212, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 212, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 212, 206);  
box-shadow:4px 4px 4px 4px rgb(128, 212,  
206) }
```

# Background

The CSS property to change the background color of an element to RGB 128, 212, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 212, 206) }
```

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

```
.background{ background-color: rgb(128,  
212, 206) }
```

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