

Converting Colors

`RYB(128, 205, 209)`

Have a look what the booklet for
RYB(128, 205, 209) contains.

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Color

R_YB(128, 205, 209)

Conversions

Conversions Part 1

Format	Color
Hex	80D184
RGB	128, 209, 132
RGB Percent	50%, 82%, 52%
CMY	0.4980, 0.1804, 0.4815
CMYK	0.39, 0.00, 0.37, 0.18
HSL	123°, 47%, 66%
HSV	123°, 39%, 82%
XYZ	35.8816, 51.8618, 30.0236
YIQ	176.0030, -23.5590, -41.1190

Conversions

Conversions Part 2

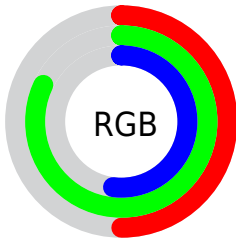
Format	Color
RYB	128, 205, 209
Decimal	8442244
CIELab	77.20, -40.35, 30.51
CIELCh	77, 50.586, 142.905
Yxy	51.8618, 0.3047, 0.4404
Android (android.graphics.Color)	4286632324 (0xFF80D184)
YUV	176.0030, -21.6935, -42.0986
Hunter-Lab	72.0151, -37.0885, 25.6922

Details

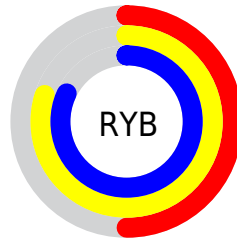
The RYB color **128, 205, 209** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **209, 128, 205**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **184, 253, 255**, and **74, 148, 154** is the 20% darker color. If you saturate the color by 10%, you get **107, 204, 209**, and if you desaturate by 10%, it is **149, 206, 209**.

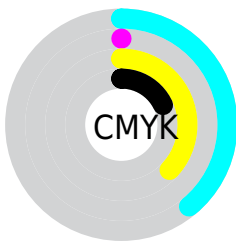
Distribution



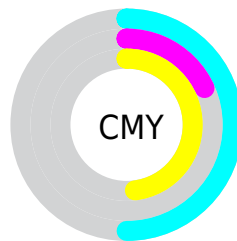
- Red (50%)
- Green (82%)
- Blue (52%)



- Red (50%)
- Yellow (80%)
- Blue (82%)



- Cyan (39%)
- Magenta (0%)
- Yellow (37%)
- Black (18%)



- Cyan (50%)
- Magenta (18%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the RYB color 128, 205, 209 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 RYB color 128, 205, 209 by changing the saturation by 10% instead.


 128, 205, 209

 128, 205, 209


255, 255, 255

 101, 175, 181

 184, 253, 255

 74, 147, 154

 212, 253, 255

 45, 116, 127

 242, 255, 255

 8, 82, 102

 0, 68, 77

 0, 53, 53

 0, 33, 33

 0, 0, 0

 128, 205, 209

 128, 205, 209

 107, 204, 209

 149, 206, 209

 86, 202, 209

 170, 207, 209

 65, 201, 209

 191, 208, 209

 44, 200, 209

 212, 209, 211

 24, 200, 209

 233, 209, 231

 3, 199, 209

 253, 209, 251

 0, 199, 209

 255, 209, 255

Harmonies

Analogous

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



101, 199, 117



128, 205, 209



42, 138, 214

Triad

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



128, 205, 209



85, 153, 255



255, 154, 157

Complementary

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



128, 205, 209



209, 128, 205

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, 153, 204



128, 205, 209



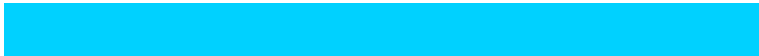
177, 183, 255

Square

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



128, 205, 209



0, 115, 255



238, 165, 248



255, 195, 117

Rectangle

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



128, 205, 209



0, 109, 215



238, 165, 248



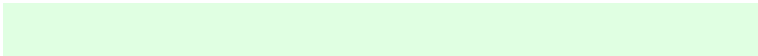
255, 152, 172

Sweetspot

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



128, 205, 209



224, 253, 255



128, 209, 132



110, 127, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 205, 209



135, 249, 255



128, 180, 209



94, 104, 105



0, 159, 168



0, 39, 41

Inverse Universe

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



209, 128, 205



255, 135, 249



209, 128, 164



105, 94, 104



168, 0, 160



41, 0, 39

Previews

White Background



This preview shows how the RYB color 128, 205, 209 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 RYB color 128, 205, 209 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](#).

RYB 128, 205, 209 Background



This preview shows how black text looks on a background with the RYB color 128, 205, 209.

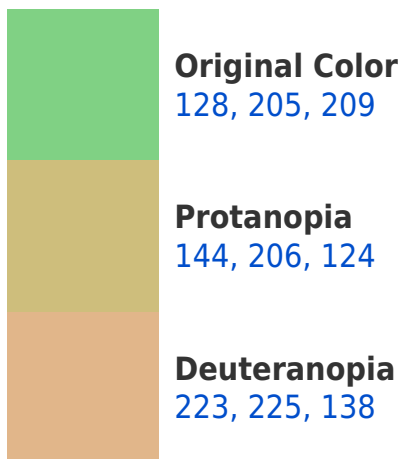


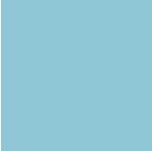
This preview shows how white text looks on a background with the RYB color 128, 205, 209.

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
144, 175, 215

Trichromacy



Original Color

128, 205, 209



Protanomaly

127, 197, 146



Deuteranomaly

136, 192, 138



Tritanomaly

138, 176, 203

Monochromacy



Original Color

128, 205, 209



Achromatopsia

176, 176, 176



Achromatomaly

159, 187, 188

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 205, 209 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, 209, 132)` looks like.

```
.text, #text, p{  
    color:rgb(128, 209, 132)  
}
```

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, 209, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 209, 132) }
```

Border

The CSS property to change the border of an element to RYB 128, 205, 209 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, 209, 132) }
```

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

```
.border{ border-color:rgb(128, 209, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 209, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 209, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 209, 132);  
box-shadow:4px 4px 4px 4px rgb(128, 209,  
132) }
```

Background

The CSS property to change the background color of an element to RYB 128, 205, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 209, 132) }
```

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

```
.background{ background-color: rgb(128,  
209, 132) }
```

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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