

Converting Colors

`RYB(128, 199, 229)`

Have a look what the booklet for
RYB(128, 199, 229) contains.

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Color

R_YB(128, 199, 229)

Conversions

Conversions Part 1

Format	Color
Hex	80E5AB
RGB	128, 229, 171
RGB Percent	50%, 90%, 67%
CMY	0.4980, 0.1020, 0.3307
CMYK	0.44, 0.00, 0.25, 0.10
HSL	145°, 66%, 70%
HSV	145°, 44%, 90%
XYZ	44.2412, 63.5558, 48.3021
YIQ	192.1890, -41.5780, -39.4500

Conversions

Conversions Part 2

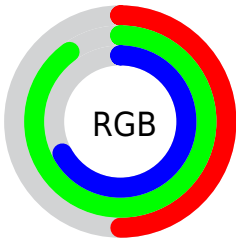
Format	Color
RYB	128, 199, 229
Decimal	8447403
CIELab	83.73, -42.39, 19.42
CIELCh	84, 46.630, 155.386
Yxy	63.5558, 0.2834, 0.4072
Android (android.graphics.Color)	4286637483 (0xFF80E5AB)
YUV	192.1890, -10.4462, -56.2938
Hunter-Lab	79.7219, -40.4556, 19.8825

Details

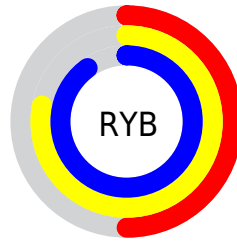
The RYB color **128, 199, 229** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **229, 128, 186**, and the grayscale version is **192, 192, 192**.

A 20% lighter version of the original color is **185, 229, 255**, and **71, 140, 173** is the 20% darker color. If you saturate the color by 10%, you get **105, 192, 229**, and if you desaturate by 10%, it is **151, 206, 229**.

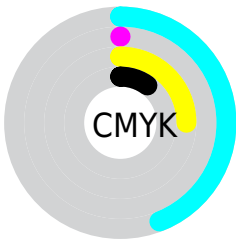
Distribution



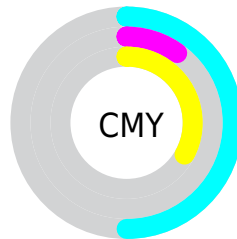
- Red (50%)
- Green (90%)
- Blue (67%)



- Red (50%)
- Yellow (78%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (25%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 199, 229 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, 199, 229 by changing the saturation by 10% instead.


 128, 199, 229


255, 255, 255


 185, 229, 255


 214, 235, 255

 244, 250, 255

 128, 199, 229

 100, 170, 201

 71, 141, 173

 39, 110, 146

 0, 75, 119

 0, 63, 94

 0, 51, 69

 0, 46, 46


 0, 21, 21


 0, 0, 0

 128, 199, 229


 128, 199, 229

 105, 192, 229


 151, 206, 229

 82, 185, 229


 174, 213, 229

 59, 178, 229

 197, 220, 229

 36, 171, 229

 220, 226, 229

 13, 164, 229

 243, 229, 237

 0, 161, 229

 255, 229, 250

 255, 229, 255

Harmonies

Analogous

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



135, 221, 173



128, 199, 229



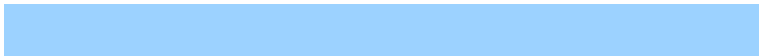
57, 149, 232

Triad

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



128, 199, 229



156, 191, 255



255, 185, 160

Complementary

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



128, 199, 229



229, 128, 186

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, 174, 202



128, 199, 229



224, 194, 255

Square

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



128, 199, 229



69, 153, 255



255, 180, 246



253, 255, 130

Rectangle

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



128, 199, 229



0, 119, 245



255, 180, 246



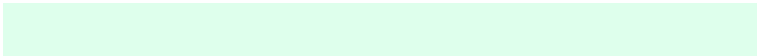
255, 177, 173

Sweetspot

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



128, 199, 229



222, 245, 255



128, 229, 170



107, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 199, 229



120, 215, 255



128, 181, 229



103, 111, 115



0, 126, 179



0, 36, 51

Inverse Universe

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



229, 128, 186



255, 120, 198



229, 128, 136



115, 103, 110



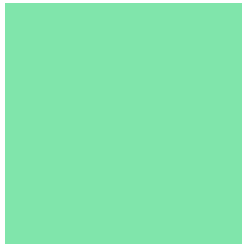
179, 0, 103



51, 0, 29

Previews

White Background



This preview shows how the RYB color 128, 199, 229 looks on a white background.

Color Contrast Check

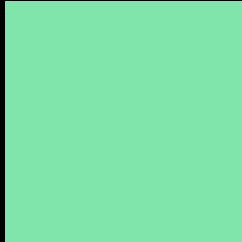
Large Text (above 18pt) WCAG AA × Fail

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, 199, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

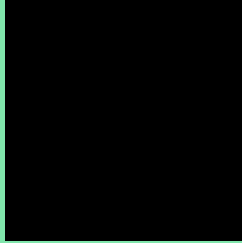
Any Text WCAG AA ✓ Pass

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, 199, 229 Background



This preview shows how black text looks on a background with the RYB color 128, 199, 229.

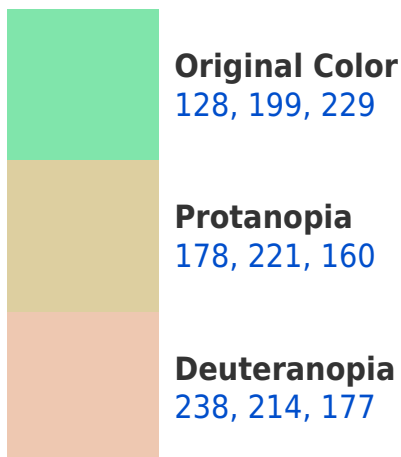



This preview shows how white text looks on a background with the RYB color 128, 199, 229.

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, 186, 238

Trichromacy



Original Color

128, 199, 229



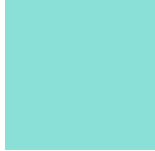
Protanomaly

164, 215, 192



Deuteranomaly

175, 211, 188



Tritanomaly

138, 183, 223

Monochromacy



Original Color

128, 199, 229



Achromatopsia

192, 192, 192



Achromatomaly

169, 194, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 199, 229 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, 229, 171)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 171)  
}
```

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, 229, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 171) }
```

Border

The CSS property to change the border of an element to RYB 128, 199, 229 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, 229, 171) }
```

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

```
.border{ border-color:rgb(128, 229, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 229, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 171);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
171) }
```

Background

The CSS property to change the background color of an element to RYB 128, 199, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 229, 171) }
```

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

```
.background{ background-color: rgb(128,  
229, 171) }
```

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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