

Converting Colors

`RYB(128, 179, 229)`

Have a look what the booklet for RYB(128, 179, 229) contains.

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Color

`RYB(128, 179, 229)`

Conversions

Conversions Part 1

Format	Color
Hex	80E5E3
RGB	128, 229, 227
RGB Percent	50%, 90%, 89%
CMY	0.4980, 0.1020, 0.1097
CMYK	0.44, 0.00, 0.01, 0.10
HSL	179°, 66%, 70%
HSV	179°, 44%, 90%
XYZ	50.7892, 66.1750, 82.7834
YIQ	198.5730, -59.5540, -22.0340

Conversions

Conversions Part 2

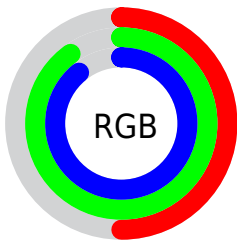
Format	Color
RYB	128, 179, 229
Decimal	8447459
CIELab	85.09, -29.97, -8.25
CIELCh	85, 31.090, 195.397
Yxy	66.1750, 0.2543, 0.3313
Android (android.graphics.Color)	4286637539 (0xFF80E5E3)
YUV	198.5730, 14.0145, -61.8925
Hunter-Lab	81.3480, -30.9133, -3.3926

Details

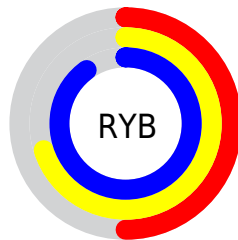
The RYB color **128, 179, 229** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **229, 128, 130**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **186, 221, 255**, and **68, 121, 173** is the 20% darker color. If you saturate the color by 10%, you get **105, 168, 229**, and if you desaturate by 10%, it is **151, 191, 229**.

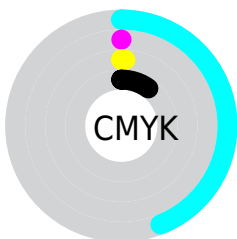
Distribution



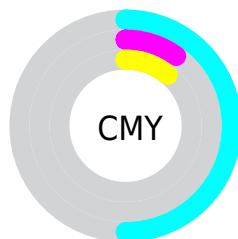
- Red (50%)
- Green (90%)
- Blue (89%)



- Red (50%)
- Yellow (70%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 179, 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, 179, 229 by changing the saturation by 10% instead.


 128, 179, 229


255, 255, 255


 186, 221, 255

 216, 236, 255

 245, 250, 255

 128, 179, 229


 99, 151, 201

 68, 121, 173


 32, 89, 146

 0, 60, 120


 0, 48, 95

 0, 36, 71

 0, 24, 49


 0, 14, 28


 0, 0, 0

 128, 179, 229


 128, 179, 229

 105, 168, 229


 151, 191, 229

 82, 156, 229


 174, 202, 229

 59, 145, 229


 197, 213, 229

 36, 134, 229

 220, 225, 229

 13, 122, 229

 243, 229, 229

 0, 116, 229

 255, 229, 230

 255, 229, 231

Harmonies

Analogous

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



152, 200, 228



128, 179, 229



128, 183, 253

Triad

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



128, 179, 229



236, 200, 254



231, 247, 156

Complementary

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



128, 179, 229



229, 128, 130

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, 208, 172



128, 179, 229



255, 193, 228

Square

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



128, 179, 229



197, 208, 255



255, 191, 198



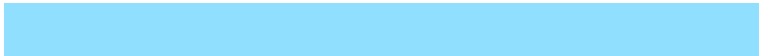
159, 218, 156

Rectangle

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



128, 179, 229



144, 190, 255



255, 191, 198



255, 235, 160

Sweetspot

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



128, 179, 229



222, 239, 255



128, 229, 226



107, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 179, 229



120, 188, 255



128, 163, 229



103, 109, 115



0, 91, 179



0, 26, 51

Inverse Universe

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



229, 128, 130



255, 120, 122



229, 216, 128



115, 103, 104



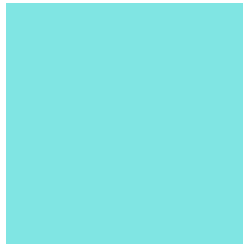
179, 0, 3



51, 0, 1

Previews

White Background



This preview shows how the RYB color 128, 179, 229 looks on a white background.

Color Contrast Check

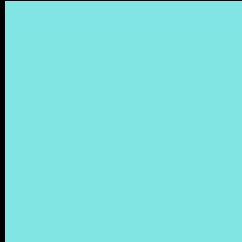
Large Text (above 18pt) WCAG AA × Fail

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, 179, 229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

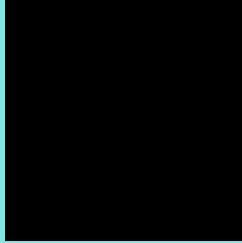
Any Text WCAG AA ✓ Pass

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, 179, 229 Background



This preview shows how black text looks on a background with the RYB color 128, 179, 229.

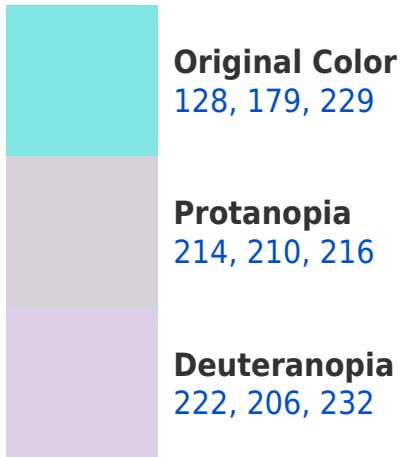



This preview shows how white text looks on a background with the RYB color 128, 179, 229.

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
133, 184, 245

Trichromacy



Original Color

128, 179, 229



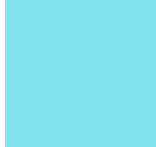
Protanomaly

183, 201, 220



Deuteranomaly

188, 204, 230



Tritanomaly

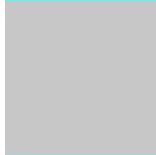
131, 182, 238

Monochromacy



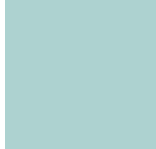
Original Color

128, 179, 229



Achromatopsia

199, 199, 199



Achromatomaly

173, 192, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 179, 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(128, 229, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 229, 227) }
```

Border

The CSS property to change the border of an element to RYB 128, 179, 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, 227) }
```

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

```
.border{ border-color:rgb(128, 229, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 229, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 229, 227);  
box-shadow:4px 4px 4px 4px rgb(128, 229,  
227) }
```

Background

The CSS property to change the background color of an element to RYB 128, 179, 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, 227) }
```

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

```
.background{ background-color: rgb(128,  
229, 227) }
```

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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