

Converting Colors

`RYB(123, 179, 229)`

Have a look what the booklet for
RYB(123, 179, 229) contains.

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Color

`RYB(123, 179, 229)`

Conversions

Conversions Part 1

Format	Color
Hex	7BE5DA
RGB	123, 229, 218
RGB Percent	48%, 90%, 85%
CMY	0.5176, 0.1020, 0.1465
CMYK	0.46, 0.00, 0.05, 0.10
HSL	174°, 67%, 69%
HSV	174°, 46%, 90%
XYZ	48.7959, 65.2929, 76.1159
YIQ	196.0520, -59.6450, -25.8930

Conversions

Conversions Part 2

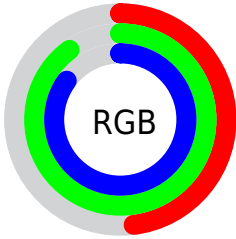
Format	Color
RYB	123, 179, 229
Decimal	8119770
CIELab	84.63, -33.41, -3.99
CIELCh	85, 33.646, 186.817
Yxy	65.2929, 0.2565, 0.3433
Android (android.graphics.Color)	4286309850 (0xFF7BE5DA)
YUV	196.0520, 10.8204, -64.0666
Hunter-Lab	80.8040, -33.6145, 0.7127

Details

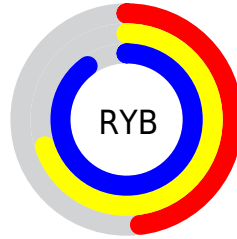
The RYB color **123, 179, 229** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **229, 123, 134**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **181, 218, 255**, and **63, 121, 173** is the 20% darker color. If you saturate the color by 10%, you get **100, 168, 229**, and if you desaturate by 10%, it is **146, 190, 229**.

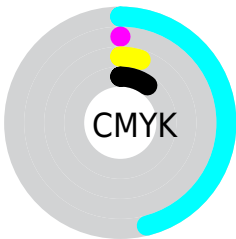
Distribution



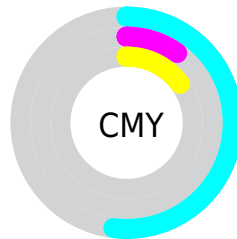
- Red (48%)
- Green (90%)
- Blue (85%)



- Red (48%)
- Yellow (70%)
- Blue (90%)



- Cyan (46%)
- Magenta (0%)
- Yellow (5%)
- Black (10%)



- Cyan (52%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 123, 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 123, 179, 229 by changing the saturation by 10% instead.

 123, 179, 229


255, 255, 255


 181, 218, 255

 211, 233, 255

 240, 248, 255

 123, 179, 229

 94, 150, 201

 63, 121, 173


 23, 87, 146

 0, 62, 120

 0, 50, 95

 0, 37, 70

 0, 25, 47

 0, 13, 25

 0, 0, 0

■ 123, 179, 229

■ 123, 179, 229

■ 100, 168, 229

■ 146, 190, 229

■ 77, 157, 229

■ 169, 201, 229

■ 54, 147, 229

■ 192, 212, 229

■ 31, 136, 229

■ 215, 223, 229

■ 9, 125, 229

■ 238, 229, 230

■ 0, 121, 229

■ 255, 229, 232

■ 255, 229, 235

■ 255, 229, 237

■ 255, 229, 240

Harmonies

Analogous

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



155, 206, 227



123, 179, 229



112, 174, 248

Triad

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



123, 179, 229



225, 201, 255



255, 242, 154

Complementary

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



123, 179, 229



229, 123, 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.



255, 197, 175



123, 179, 229



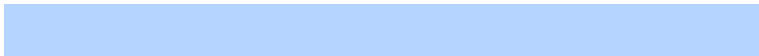
255, 191, 237

Square

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



123, 179, 229



181, 203, 255



255, 188, 205



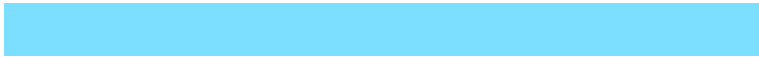
167, 227, 148

Rectangle

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



123, 179, 229



125, 181, 255



255, 188, 205



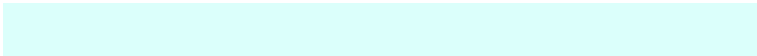
255, 222, 159

Sweetspot

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



123, 179, 229



219, 238, 255



123, 229, 217



106, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



123, 179, 229



112, 187, 255



123, 163, 229



103, 109, 115



0, 95, 179



0, 27, 51

Inverse Universe

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



229, 123, 134



255, 112, 128



229, 190, 123



115, 103, 105



179, 0, 19



51, 0, 5

Previews

White Background



This preview shows how the RYB color 123, 179, 229 looks on a white background.

Color Contrast Check

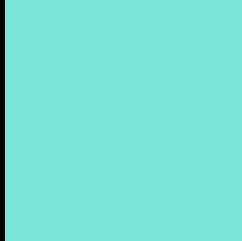
Large Text (above 18pt) WCAG AA × Fail

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 123, 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

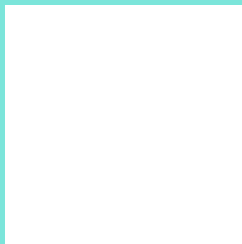
Any Text WCAG AAA ✓ Pass

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

RYB 123, 179, 229 Background



This preview shows how black text looks on a background with the RYB color 123, 179, 229.

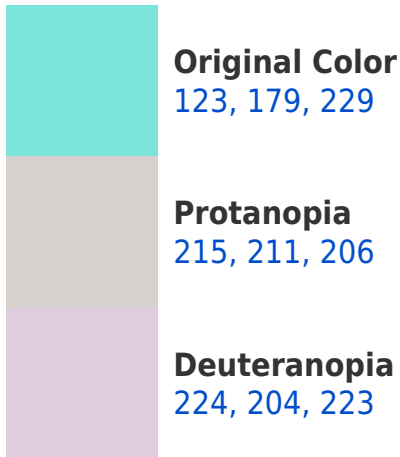



This preview shows how white text looks on a background with the RYB color 123, 179, 229.

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
131, 182, 243

Trichromacy



Original Color

123, 179, 229



Protanomaly

182, 201, 216



Deuteranomaly

187, 202, 221



Tritanomaly

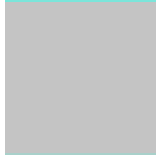
128, 179, 234

Monochromacy



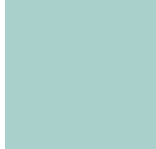
Original Color

123, 179, 229



Achromatopsia

196, 196, 196



Achromatomaly

169, 190, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 123, 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(123, 229, 218)` looks like.

```
.text, #text, p{  
    color:rgb(123, 229, 218)  
}
```

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(123, 229, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 229, 218) }
```

Border

The CSS property to change the border of an element to RYB 123, 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(123, 229, 218) }
```

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

```
.border{ border-color:rgb(123, 229, 218) }
```

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

Here you see how a box with a 4 pixel rgb(123, 229, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 229, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 229, 218);  
box-shadow:4px 4px 4px 4px rgb(123, 229,  
218) }
```

Background

The CSS property to change the background color of an element to RYB 123, 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(123, 229, 218) }
```

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

```
.background{ background-color: rgb(123,  
229, 218) }
```

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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