

Converting Colors

`RYB(128, 179, 233)`

Have a look what the booklet for RYB(128, 179, 233) contains.

RYB(128, 179, 233)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(128, 179, 233)

Conversions

Conversions Part 1

Format	Color
Hex	80E3E9
RGB	128, 227, 233
RGB Percent	50%, 89%, 91%
CMY	0.4980, 0.1092, 0.0863
CMYK	0.45, 0.03, 0.00, 0.09
HSL	183°, 70%, 71%
HSV	183°, 45%, 91%
XYZ	51.1248, 65.5018, 87.0393
YIQ	198.0830, -60.9300, -19.1220

Conversions

Conversions Part 2

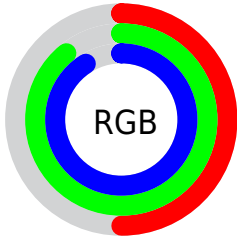
Format	Color
R_{YB}	128, 179, 233
Decimal	8446953
CIE _{Lab}	84.74, -27.60, -11.92
CIE _{LCh}	85, 30.065, 203.365
Yxy	65.5018, 0.2510, 0.3216
Android (android.graphics.Color)	4286637033 (0xFF80E3E9)
YUV	198.0830, 17.2141, -61.4628
Hunter-Lab	80.9332, -28.8762, -7.1100

Details

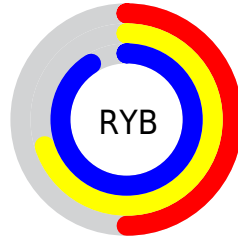
The RYB color **128, 179, 233** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **233, 134, 128**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **186, 221, 255**, and **68, 121, 177** is the 20% darker color. If you saturate the color by 10%, you get **105, 167, 233**, and if you desaturate by 10%, it is **151, 191, 233**.

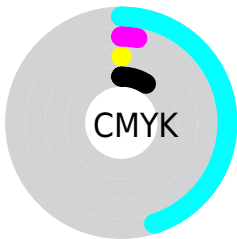
Distribution



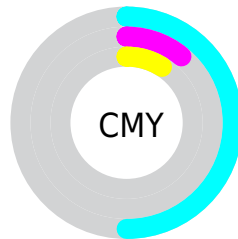
- Red (50%)
- Green (89%)
- Blue (91%)



- Red (50%)
- Yellow (70%)
- Blue (91%)



- Cyan (45%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (50%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 179, 233 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, 233 by changing the saturation by 10% instead.

 128, 179, 233


255, 255, 255


 186, 221, 255


 216, 236, 255

 246, 251, 255

 128, 179, 233

 99, 150, 205

 68, 121, 177


 31, 89, 151

 0, 61, 125

 0, 48, 100

 0, 36, 76

 0, 25, 53

 0, 14, 32

 0, 0, 7

■ 128, 179, 233

■ 128, 179, 233

■ 105, 167, 233

■ 151, 191, 233

■ 81, 155, 233

■ 175, 203, 233

■ 58, 143, 233

■ 198, 215, 233

■ 35, 131, 233

■ 221, 227, 233

■ 12, 119, 233

■ 244, 234, 233

■ 0, 113, 233

■ 255, 235, 233

■ 255, 236, 233

■ 255, 239, 233

■ 255, 241, 233

Harmonies

Analogous

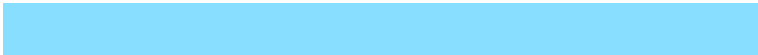
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



146, 193, 227



128, 179, 233



136, 186, 255

Triad

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



128, 179, 233



242, 197, 246



202, 238, 155

Complementary

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



128, 179, 233



233, 134, 128

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, 215, 167



128, 179, 233



255, 191, 219

Square

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



128, 179, 233



208, 206, 255



255, 192, 190



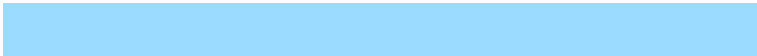
159, 217, 167

Rectangle

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



128, 179, 233



155, 194, 255



255, 192, 190



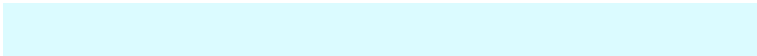
241, 247, 158

Sweetspot

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



128, 179, 233



219, 236, 255



128, 228, 233



106, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



128, 179, 233



117, 184, 255



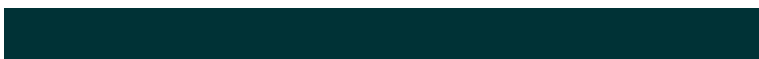
128, 160, 233



106, 112, 117



0, 88, 181



0, 26, 54

Inverse Universe

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



233, 128, 227



255, 117, 247



213, 233, 128



117, 106, 117



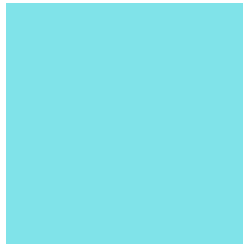
181, 0, 171



54, 0, 51

Previews

White Background



This preview shows how the RYB color 128, 179, 233 looks on a white background.

Color Contrast Check

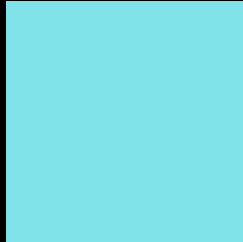
Large Text (above 18pt) WCAG AA × Fail

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, 233 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](#).

RYP 128, 179, 233 Background



This preview shows how black text looks on a background with the RYP color 128, 179, 233.




This preview shows how white text looks on a background with the RYP color 128, 179, 233.

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





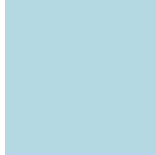
Tritanopia
131, 182, 244

Trichromacy



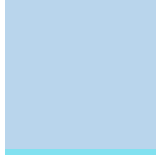
Original Color

128, 179, 233



Protanomaly

181, 201, 226



Deuteranomaly

185, 203, 236



Tritanomaly

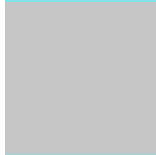
130, 181, 240

Monochromacy



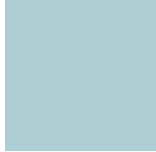
Original Color

128, 179, 233



Achromatopsia

198, 198, 198



Achromatomaly

173, 191, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 179, 233 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, 227, 233)` looks like.

```
.text, #text, p{  
    color:rgb(128, 227, 233)  
}
```

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, 227, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 227, 233) }
```

Border

The CSS property to change the border of an element to RYB 128, 179, 233 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, 227, 233) }
```

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

```
.border{ border-color:rgb(128, 227, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 227, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 227, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 227, 233);  
box-shadow:4px 4px 4px 4px rgb(128, 227,  
233) }
```

Background

The CSS property to change the background color of an element to RYB 128, 179, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 227, 233) }
```

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

```
.background{ background-color: rgb(128,  
227, 233) }
```

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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