

Converting Colors

`RYB(121, 176, 230)`

Have a look what the booklet for
RYB(121, 176, 230) contains.

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Color

`RYB(121, 176, 230)`

Conversions

Conversions Part 1

Format	Color
Hex	79E6E4
RGB	121, 230, 228
RGB Percent	47%, 90%, 89%
CMY	0.5255, 0.0980, 0.1058
CMYK	0.47, 0.00, 0.01, 0.10
HSL	179°, 69%, 69%
HSV	179°, 47%, 90%
XYZ	50.1881, 66.2610, 83.5565
YIQ	197.1810, -64.3220, -23.7300

Conversions

Conversions Part 2

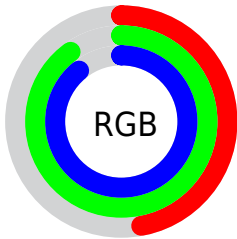
Format	Color
RYB	121, 176, 230
Decimal	7988964
CIELab	85.13, -31.77, -8.75
CIElCh	85, 32.951, 195.391
Yxy	66.2610, 0.2509, 0.3313
Android (android.graphics.Color)	4286179044 (0xFF79E6E4)
YUV	197.1810, 15.1938, -66.8107
Hunter-Lab	81.4009, -32.3965, -3.8795

Details

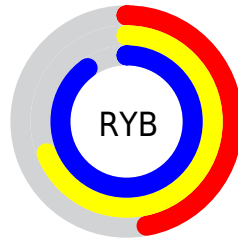
The RYB color **121, 176, 230** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **230, 121, 123**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **180, 218, 255**, and **59, 117, 174** is the 20% darker color. If you saturate the color by 10%, you get **98, 165, 230**, and if you desaturate by 10%, it is **144, 188, 230**.

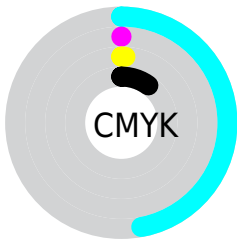
Distribution



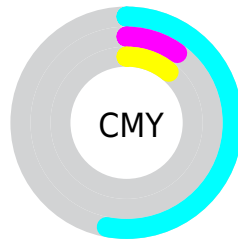
- Red (47%)
- Green (90%)
- Blue (89%)



- Red (47%)
- Yellow (69%)
- Blue (90%)



- Cyan (47%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)




- Cyan (53%)
- Magenta (10%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 121, 176, 230 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 121, 176, 230 by changing the saturation by 10% instead.


 121, 176, 230


255, 255, 255


 180, 218, 255

 210, 233, 255

 239, 247, 255

 121, 176, 230

 91, 147, 202

 59, 117, 174


 10, 79, 147

 0, 61, 121


 0, 48, 96


 0, 36, 72


 0, 24, 50

 0, 14, 29


 0, 0, 1

 121, 176, 230


 121, 176, 230

 98, 165, 230


 144, 188, 230

 75, 153, 230


 167, 199, 230

 52, 142, 230

 190, 210, 230

 29, 131, 230

 213, 222, 230

 6, 119, 230

 236, 230, 230

 0, 116, 230

 255, 230, 231

 255, 230, 232

Harmonies

Analogous

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



148, 199, 229



121, 176, 230



120, 180, 255

Triad

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



121, 176, 230



237, 199, 255



234, 249, 153

Complementary

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



121, 176, 230



230, 121, 123

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, 207, 170



121, 176, 230



255, 191, 229

Square

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



121, 176, 230



196, 207, 255



255, 190, 198



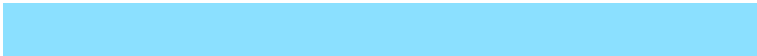
155, 219, 152

Rectangle

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



121, 176, 230



139, 188, 255



255, 190, 198



255, 240, 157

Sweetspot

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



121, 176, 230



219, 237, 255



121, 230, 226



106, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



121, 176, 230



110, 183, 255



121, 159, 230



103, 109, 115



0, 91, 179



0, 26, 51

Inverse Universe

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



230, 121, 123



255, 110, 112



230, 217, 121



115, 103, 103



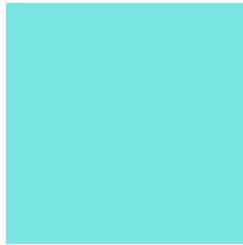
179, 0, 3



51, 0, 1

Previews

White Background



This preview shows how the RYB color 121, 176, 230 looks on a white background.

Color Contrast Check

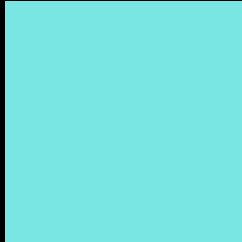
Large Text (above 18pt) WCAG AA × Fail

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 121, 176, 230 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](#).

R Y B 121, 176, 230 Background



This preview shows how black text looks on a background with the RYB color 121, 176, 230.

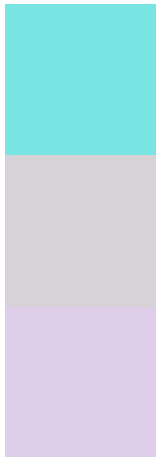


This preview shows how white text looks on a background with the RYB color 121, 176, 230.

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



Original Color
121, 176, 230

Protanopia
214, 210, 216

Deuteranopia
222, 206, 233



Tritanopia
127, 181, 246

Trichromacy



Original Color

121, 176, 230



Protanomaly

180, 199, 220



Deuteranomaly

185, 203, 231



Tritanomaly

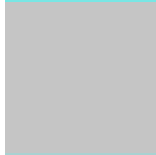
125, 179, 239

Monochromacy



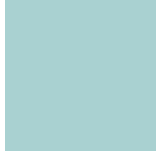
Original Color

121, 176, 230



Achromatopsia

197, 197, 197



Achromatomaly

169, 189, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 121, 176, 230 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(121, 230, 228)` looks like.

```
.text, #text, p{  
    color:rgb(121, 230, 228)  
}
```

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(121, 230, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 230, 228) }
```

Border

The CSS property to change the border of an element to RYB 121, 176, 230 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(121, 230, 228) }
```

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

```
.border{ border-color:rgb(121, 230, 228) }
```

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

Here you see how a box with a 4 pixel rgb(121, 230, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 230, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 230, 228);  
box-shadow:4px 4px 4px 4px rgb(121, 230,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 121, 176, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 230, 228) }
```

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

```
.background{ background-color: rgb(121,  
230, 228) }
```

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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