Converting Colors

RYB(120, 176, 230)

Have a look what the booklet for RYB(120, 176, 230) contains.

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Color

RYB(120, 176, 230)

Conversions

Conversions Part 1

Format	Color
Hex	78E6E2
RGB	120, 230, 226
RGB Percent	47%, 90%, 89%
CMY	0.5294, 0.0980, 0.1134
CMYK	0.48, 0.00, 0.02, 0.10
HSL	178°, 69%, 69%
HSV	178°, 48%, 90%
XYZ	49.7798, 66.0816, 82.1343
YIQ	196.6540, -64.2760, -24.5640

Conversions

Conversions Part 2

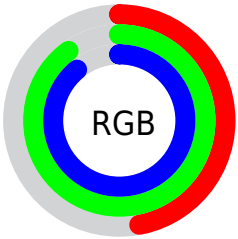
Format	Color
RYB	120, 176, 230
Decimal	7923426
CIELab	85.04, -32.47, -7.86
CIELCh	85, 33.412, 193.603
Yxy	66.0816, 0.2514, 0.3338
Android (android.graphics.Color)	4286113506 (0xFF78E6E2)
YUV	196.6540, 14.4676, -67.2256
Hunter-Lab	81.2906, -32.9507, -3.0019

Details

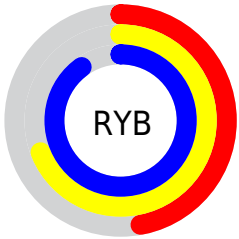
The RYB color 120, 176, 230 is a light color, and the websafe version is hex 66CCCC. A complement of this color would be 230, 120, 124, and the grayscale version is 197, 197, 197.

A 20% lighter version of the original color is 179, 217, 255, and 57, 116, 174 is the 20% darker color. If you saturate the color by 10%, you get 97, 165, 230, and if you desaturate by 10%, it is 143, 187, 230.

Distribution

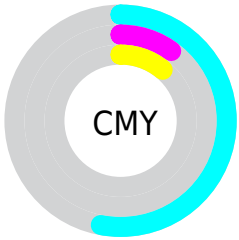


- Red (47%)
- Green (90%)
- Blue (89%)



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

- Cyan (48%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the RYB color 120, 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 120, 176, 230 by changing the saturation by 10% instead.

120, 176, 230

255, 255, 255

179, 217, 255

209, 232, 255

238, 247, 255

120, 176, 230

90, 147, 202

57, 116, 174

7, 78, 147

0, 61, 121

0, 49, 96

0, 36, 71

0, 24, 48

0, 14, 27

0, 0, 0

120, 176, 230	120, 176, 230
97, 165, 230	143, 187, 230
74, 154, 230	166, 199, 230
51, 142, 230	189, 210, 230
28, 131, 230	212, 221, 230
5, 120, 230	235, 230, 230
0, 117, 230	255, 230, 231
	255, 230, 232
	255, 230, 233

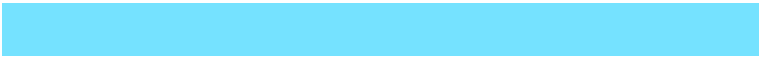
Harmonies

Analogous

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

149, 200, 229

120, 176, 230



117, 178, 255

Triad

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

120, 176, 230

235, 199, 255

239, 250, 152

Complementary

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

120, 176, 230

230, 120, 124

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, 205, 170

120, 176, 230

255, 191, 231

Square

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

120, 176, 230

193, 206, 255

255, 189, 199

156, 220, 151

Rectangle

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

120, 176, 230

135, 186, 255

255, 189, 199

255, 237, 157

Sweetspot

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

120, 176, 230

219, 237, 255

120, 230, 225

106, 117, 128

0, 0, 0

128, 128, 128

Same Dimension

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

120, 176, 230

110, 184, 255

120, 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, 120, 124

255, 110, 115

230, 212, 120

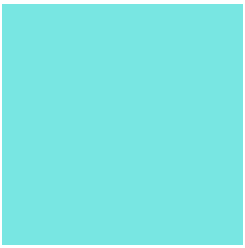
115, 103, 104

179, 0, 6

51, 0, 2

Previews

White Background

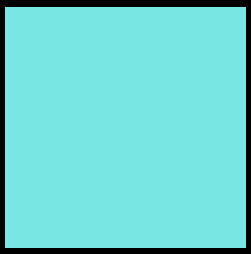


This preview shows how the RYB color 120, 176, 230 looks on a white background.

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



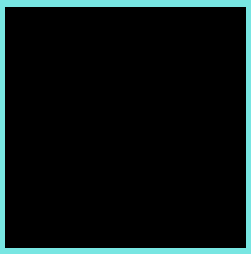
This preview shows how the RYB color 120, 176, 230 looks on a black background.

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.

RYB 120, 176, 230 Background



This preview shows how black text looks on a background with the RYB color 120, 176, 230.

This preview shows how white text looks on a background with the RYB color 120, 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

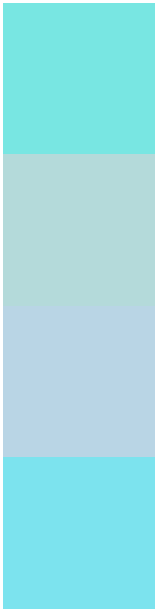
Original Color
120, 176, 230

Protanopia
214, 210, 214

Deuteranopia
222, 205, 231

Tritanopia
126, 181, 245

Trichromacy



Original Color
120, 176, 230

Protanomaly
180, 199, 218

Deuteranomaly
185, 202, 229

Tritanomaly
124, 178, 238

Monochromacy

Original Color
120, 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 120, 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(120, 230, 226) looks like.

```
.text, #text, p{
    color:rgb(120, 230, 226)
}
```

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(120, 230, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 230, 226) }
```

Border

The CSS property to change the border of an element to RYB 120, 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(120, 230, 226) }
```

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

```
.border{ border-color:rgb(120, 230, 226) }
```

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

Here you see how a box with a 4 pixel rgb(120, 230, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 230, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 230, 226); box-shadow:4px 4px 4px 4px rgb(120, 230, 226) }
```

Background

The CSS property to change the background color of an element to RYB 120, 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(120, 230, 226) }
```

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

```
.background{ background-color:rgb(120,
230, 226) }
```

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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