Converting Colors

RYB(128, 180, 240)

Have a look what the booklet for RYB(128, 180, 240) contains.

Color

RYB(128, 180, 240)

Conversions

Conversions Part 1

Format	Color
Hex	80E1F0
RGB	128, 225, 240
RGB Percent	50%, 88%, 94%
CMY	0.4980, 0.1174, 0.0588
CMYK	0.47, 0.06, 0.00, 0.06
HSL	188°, 79%, 72%
HSV	188°, 47%, 94%
XYZ	51.5735, 64.7669, 92.2211
YIQ	197.7070, -62.6270, -15.8990

Conversions

Conversions Part 2

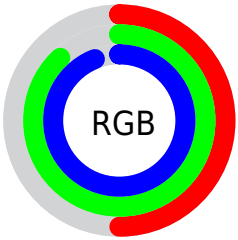
Format	Color
RYB	128, 180, 240
Decimal	8446448
CIELab	84.36, -24.78, -16.19
CIELCh	84, 29.602, 213.152
Yxy	64.7669, 0.2473, 0.3105
Android (android.graphics.Color)	4286636528 (0xFF80E1F0)
YUV	197.7070, 20.8504, -61.1330
Hunter-Lab	80.4779, -26.4463, -11.6070

Details

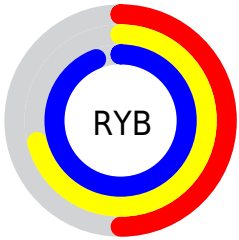
The RYB color 128, 180, 240 is a light color, and the websafe version is hex 66CCCC. A complement of this color would be 240, 145, 128, and the grayscale version is 198, 198, 198.

A 20% lighter version of the original color is 186, 221, 255, and 68, 122, 184 is the 20% darker color. If you saturate the color by 10%, you get 104, 167, 240, and if you desaturate by 10%, it is 152, 193, 240.

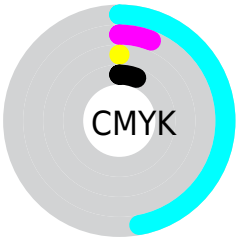
Distribution



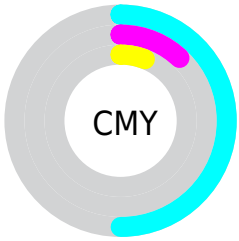
- Red (50%)
- Green (88%)
- Blue (94%)



- Red (50%)
- Yellow (71%)
- Blue (94%)



- Cyan (47%)
- Magenta (6%)
- Yellow (0%)
- Black (6%)



- Cyan (50%)
- Magenta (12%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RYB color 128, 180, 240 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, 180, 240 by changing the saturation by 10% instead.

128, 180, 240

255, 255, 255

186, 221, 255

216, 236, 255

246, 251, 255

128, 180, 240

99, 151, 212

68, 122, 184

30, 90, 157

0, 62, 131

0, 49, 106

0, 37, 82

0, 26, 59

0, 15, 37

0, 1, 15

128, 180, 240

104, 167, 240

80, 154, 240

56, 141, 240

32, 128, 240

8, 116, 240

0, 111, 240

128, 180, 240

152, 193, 240

176, 206, 240

200, 219, 240

224, 231, 240

248, 241, 240

255, 245, 240

255, 253, 240

245, 255, 240

241, 255, 240

Harmonies

Analogous

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

138, 186, 226

128, 180, 240

145, 190, 255

Triad

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

128, 180, 240

249, 194, 236

179, 228, 155

Complementary

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

128, 180, 240

240, 145, 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.

252, 228, 162

128, 180, 240

255, 190, 209

Square

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

128, 180, 240

219, 202, 255

255, 195, 181

163, 218, 183

Rectangle

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

128, 180, 240

167, 198, 255

255, 195, 181

205, 237, 155

Sweetspot

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

128, 180, 240

219, 236, 255

128, 227, 240

106, 116, 128

0, 0, 0

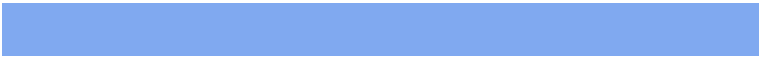
128, 128, 128

Same Dimension

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

128, 180, 240

112, 178, 255



128, 158, 240

108, 113, 120

0, 85, 184

0, 26, 56

Inverse Universe

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

240, 128, 225

255, 112, 236

193, 240, 128

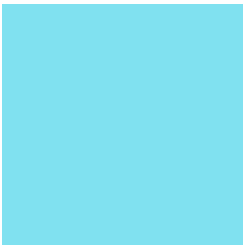
120, 108, 118

184, 0, 159

56, 0, 49

Previews

White Background

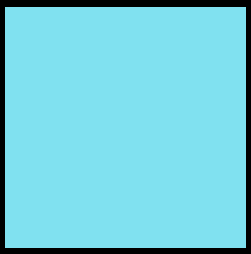


This preview shows how the RYB color 128, 180, 240 looks on a white background.

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



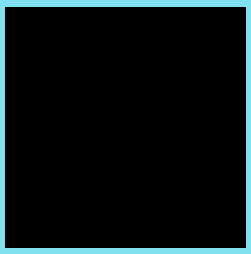
This preview shows how the RYB color 128, 180, 240 looks on a black background.

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, 180, 240 Background



This preview shows how black text looks on a background with the RYB color 128, 180, 240.

This preview shows how white text looks on a background with the RYB color 128, 180, 240.

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

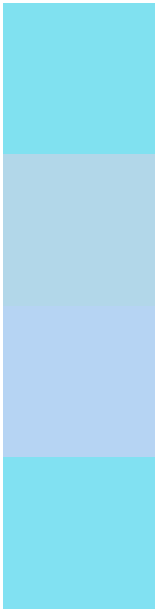
Original Color
128, 180, 240

Protanopia
207, 208, 229

Deuteranopia
213, 204, 244

Tritanopia
129, 181, 243

Trichromacy



Original Color
128, 180, 240

Protanomaly
178, 200, 233

Deuteranomaly
182, 202, 243

Tritanomaly
129, 181, 242

Monochromacy

Original Color
128, 180, 240

Achromatopsia
198, 198, 198

Achromatomaly
173, 192, 213

CSS Examples

Text

The CSS property to change the color of the text to RYB 128, 180, 240 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, 225, 240) looks like.

```
.text, #text, p{
    color:rgb(128, 225, 240)
}
```

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, 225, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 225, 240) }
```

Border

The CSS property to change the border of an element to RYB 128, 180, 240 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, 225, 240) }
```

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

```
.border{ border-color:rgb(128, 225, 240) }
```

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

Here you see how a box with a 4 pixel rgb(128, 225, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 225, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 225, 240); box-shadow:4px 4px 4px 4px rgb(128, 225, 240) }
```

Background

The CSS property to change the background color of an element to RYB 128, 180, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(128, 225, 240) }
```

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

```
.background{ background-color:rgb(128,
225, 240) }
```

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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