Converting Colors

RYB(176, 202, 233)

Have a look what the booklet for RYB(176, 202, 233) contains.

Color

RYB(176, 202, 233)

Conversions

Conversions Part 1

Format	Color
Hex	B0E0E9
RGB	176, 224, 233
RGB Percent	69%, 88%, 91%
CMY	0.3098, 0.1223, 0.0863
CMYK	0.24, 0.04, 0.00, 0.09
HSL	190°, 56%, 80%
HSV	190°, 24%, 91%
XYZ	59.2161, 68.3206, 87.1570
YIQ	210.6740, -31.4970, -7.3770

Conversions

Conversions Part 2

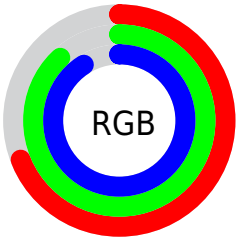
Format	Color
RYB	176, 202, 233
Decimal	11591913
CIELab	86.17, -13.33, -9.55
CIELCh	86, 16.399, 215.618
Yxy	68.3206, 0.2758, 0.3182
Android (android.graphics.Color)	4289781993 (0xFFB0E0E9)
YUV	210.6740, 11.0067, -30.4091
Hunter-Lab	82.6563, -16.7686, -4.6590

Details

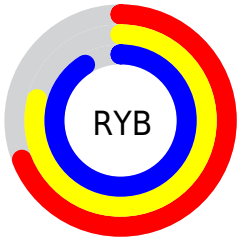
The RYB color 176, 202, 233 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 233, 187, 176, and the grayscale version is 210, 210, 210.

A 20% lighter version of the original color is 233, 244, 255, and 122, 147, 177 is the 20% darker color. If you saturate the color by 10%, you get 153, 189, 233, and if you desaturate by 10%, it is 199, 215, 233.

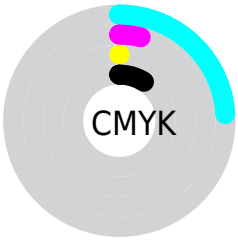
Distribution



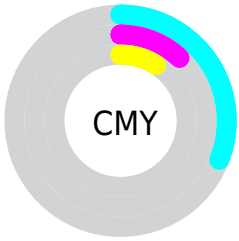
- Red (69%)
- Green (88%)
- Blue (91%)



- Red (69%)
- Yellow (79%)
- Blue (91%)



- Cyan (24%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (12%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 202, 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 176, 202, 233 by changing the saturation by 10% instead.

176, 202, 233

255, 255, 255

233, 244, 255

176, 202, 233

149, 175, 205

122, 147, 177

96, 121, 151

71, 96, 125

45, 70, 100

18, 45, 76

0, 25, 53

0, 14, 32

0, 0, 7

176, 202, 233

153, 189, 233

129, 176, 233

106, 164, 233

83, 151, 233

60, 139, 233

36, 126, 233

13, 113, 233

0, 106, 233

176, 202, 233

199, 215, 233

223, 227, 233

246, 235, 233

255, 241, 233

255, 251, 233

248, 255, 233

239, 255, 233

234, 255, 233

233, 255, 233

Harmonies

Analogous

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

178, 203, 225

176, 202, 233

185, 207, 243

Triad

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

176, 202, 233

239, 207, 229

198, 225, 185

Complementary

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

176, 202, 233

233, 187, 176

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.

240, 226, 188

176, 202, 233

248, 205, 213

Square

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

176, 202, 233

222, 211, 241

248, 208, 198

190, 220, 203

Rectangle

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

176, 202, 233

196, 211, 246

248, 208, 198

212, 231, 185

Sweetspot

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

176, 202, 233

237, 245, 255

176, 225, 233

117, 122, 128

0, 0, 0

128, 128, 128

Same Dimension

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

176, 202, 233

181, 215, 255

176, 191, 233

106, 111, 117

0, 83, 181

0, 25, 54

Inverse Universe

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

233, 176, 224

255, 181, 243

207, 233, 176

117, 106, 115

181, 0, 152

54, 0, 45

Previews

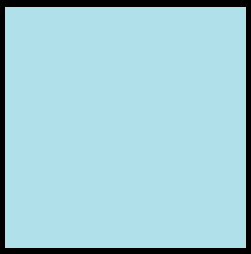
White Background

This preview shows how the RYB color 176, 202, 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



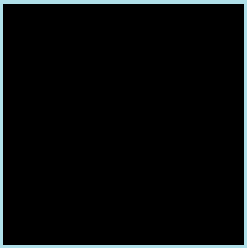
This preview shows how the RYB color 176, 202, 233 looks on a black background.

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.

RYB 176, 202, 233 Background



This preview shows how black text looks on a background with the RYB color 176, 202, 233.

This preview shows how white text looks on a background with the RYB color 176, 202, 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

Original Color
176, 202, 233

Protanopia
215, 214, 227

Deuteranopia
226, 209, 236

Tritanopia
178, 204, 240

Trichromacy

Original Color
176, 202, 233

Protanomaly
201, 212, 229

Deuteranomaly
208, 213, 235

Tritanomaly
177, 203, 237

Monochromacy

Original Color
176, 202, 233

Achromatopsia
211, 211, 211

Achromatomaly
198, 208, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 202, 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(176, 224, 233) looks like.

```
.text, #text, p{
    color:rgb(176, 224, 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(176, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 224, 233) }
```

Border

The CSS property to change the border of an element to RYB 176, 202, 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(176, 224, 233) }
```

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

```
.border{ border-color:rgb(176, 224, 233) }
```

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

Here you see how a box with a 4 pixel rgb(176, 224, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 224, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 224, 233); box-shadow:4px 4px 4px 4px rgb(176, 224, 233) }
```

Background

The CSS property to change the background color of an element to RYB 176, 202, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 224, 233) }
```

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

```
.background{ background-color:rgb(176,
224, 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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