Converting Colors

RYB(175, 218, 239)

Have a look what the booklet for RYB(175, 218, 239) contains.

Color

RYB(175, 218, 239)

Conversions

Conversions Part 1

Format	Color
Hex	AFEFCE
RGB	175, 239, 206
RGB Percent	69%, 94%, 81%
CMY	0.3137, 0.0627, 0.1912
CMYK	0.27, 0.00, 0.14, 0.06
HSL	149°, 67%, 81%
HSV	149°, 27%, 94%
XYZ	59.7174, 75.3156, 69.9455
YIQ	216.1020, -27.5510, -23.8310

Conversions

Conversions Part 2

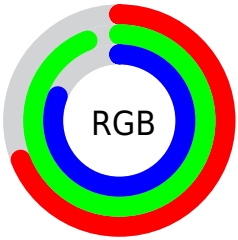
Format	Color
RYB	175, 218, 239
Decimal	11530190
CIELab	89.54, -26.67, 9.40
CIELCh	90, 28.280, 160.592
Yxy	75.3156, 0.2913, 0.3674
Android (android.graphics.Color)	4289720270 (0xFFAFEFCE)
YUV	216.1020, -4.9803, -36.0465
Hunter-Lab	86.7846, -29.0453, 12.9634

Details

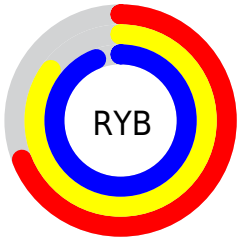
The RYB color 175, 218, 239 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 239, 175, 208, and the grayscale version is 216, 216, 216.

A 20% lighter version of the original color is 232, 244, 255, and 121, 162, 183 is the 20% darker color. If you saturate the color by 10%, you get 151, 210, 239, and if you desaturate by 10%, it is 199, 226, 239.

Distribution

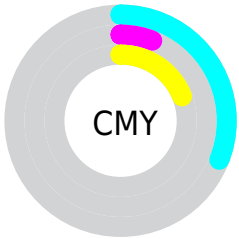


- Red (69%)
- Green (94%)
- Blue (81%)



- Red (69%)
- Yellow (85%)
- Blue (94%)

- Cyan (27%)
- Magenta (0%)
- Yellow (14%)
- Black (6%)



- Cyan (31%)
- Magenta (6%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 218, 239 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 175, 218, 239 by changing the saturation by 10% instead.

175, 218, 239

255, 255, 255

232, 244, 255

175, 218, 239

148, 190, 211

121, 162, 183

95, 135, 156

69, 108, 129

44, 83, 104

15, 56, 80

0, 35, 56

0, 27, 35

0, 0, 0

175, 218, 239

151, 210, 239

127, 202, 239

103, 194, 239

79, 187, 239

55, 179, 239

32, 171, 239

8, 163, 239

0, 160, 239

175, 218, 239

199, 226, 239

223, 234, 239

247, 239, 243

255, 239, 255

Harmonies

Analogous

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

183, 234, 212

175, 218, 239

153, 199, 241

Triad

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

175, 218, 239

206, 219, 255

255, 216, 191

Complementary

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

175, 218, 239

239, 175, 208

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, 206, 216

175, 218, 239

241, 215, 255

Square

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

175, 218, 239

171, 207, 255

255, 208, 244

247, 255, 175

Rectangle

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

175, 218, 239

148, 197, 252

255, 208, 244

255, 210, 199

Sweetspot

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

175, 218, 239

235, 248, 255

175, 239, 206

115, 124, 128

0, 0, 0

128, 128, 128

Same Dimension

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

175, 218, 239

173, 228, 255

175, 207, 239

108, 116, 120

0, 124, 184

0, 38, 56

Inverse Universe

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

239, 175, 208

255, 173, 215

239, 175, 176

120, 108, 114

184, 0, 94

56, 0, 29

Previews

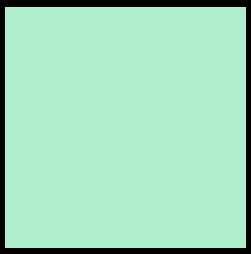
White Background

This preview shows how the RYB color 175, 218, 239 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



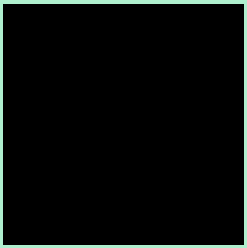
This preview shows how the RYB color 175, 218, 239 looks on a black background.

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 175, 218, 239 Background



This preview shows how black text looks on a background with the RYB color 175, 218, 239.

This preview shows how white text looks on a background with the RYB color 175, 218, 239.

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
175, 218, 239

Protanopia
212, 234, 198

Deuteranopia
251, 218, 211

Tritanopia
184, 212, 251

Trichromacy

Original Color
175, 218, 239

Protanomaly
201, 229, 217

Deuteranomaly
209, 225, 211

Tritanomaly
181, 208, 235

Monochromacy

Original Color
175, 218, 239

Achromatopsia
216, 216, 216

Achromatomaly
201, 217, 224

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 218, 239 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(175, 239, 206) looks like.

```
.text, #text, p{
    color:rgb(175, 239, 206)
}
```

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(175, 239, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 239, 206) }
```

Border

The CSS property to change the border of an element to RYB 175, 218, 239 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(175, 239, 206) }
```

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

```
.border{ border-color:rgb(175, 239, 206) }
```

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

Here you see how a box with a 4 pixel rgb(175, 239, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 239, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 239, 206); box-shadow:4px 4px 4px 4px rgb(175, 239, 206) }
```

Background

The CSS property to change the background color of an element to RYB 175, 218, 239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(175, 239, 206) }
```

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

```
.background{ background-color:rgb(175,
239, 206) }
```

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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