Converting Colors

RYB(178, 220, 244)

Have a look what the booklet for RYB(178, 220, 244) contains.

Color

RYB(178, 220, 244)

Conversions

Conversions Part 1

Format	Color
Hex	B2F4D8
RGB	178, 244, 216
RGB Percent	70%, 96%, 85%
CMY	0.3020, 0.0431, 0.1541
CMYK	0.27, 0.00, 0.12, 0.04
HSL	154°, 75%, 83%
HSV	154°, 27%, 96%
XYZ	63.0685, 79.1094, 76.7178
YIQ	221.0740, -30.3480, -22.7000

Conversions

Conversions Part 2

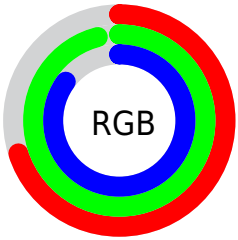
Format	Color
RYB	178, 220, 244
Decimal	11728088
CIELab	91.28, -26.32, 7.00
CIELCh	91, 27.237, 165.099
Yxy	79.1094, 0.2881, 0.3614
Android (android.graphics.Color)	4289918168 (0xFFB2F4D8)
YUV	221.0740, -2.5015, -37.7759
Hunter-Lab	88.9435, -29.0794, 11.1201

Details

The RYB color 178, 220, 244 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 244, 178, 206, and the grayscale version is 221, 221, 221.

A 20% lighter version of the original color is 235, 245, 255, and 124, 165, 188 is the 20% darker color. If you saturate the color by 10%, you get 154, 211, 244, and if you desaturate by 10%, it is 202, 229, 244.

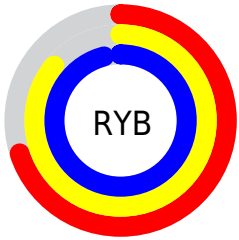
Distribution



Red (70%)

Green (96%)

Blue (85%)



Red (70%)

Yellow (86%)

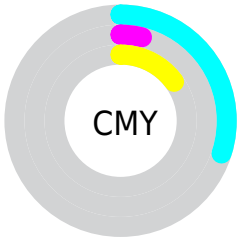
Blue (96%)

Cyan (27%)

Magenta (0%)

Yellow (12%)

Black (4%)



Cyan (30%)

Magenta (4%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 220, 244 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 178, 220, 244 by changing the saturation by 10% instead.

178, 220, 244

255, 255, 255

235, 245, 255

178, 220, 244

150, 191, 215

124, 165, 188

97, 136, 160

72, 111, 134

46, 84, 108

17, 57, 84

0, 36, 60

0, 25, 38

0, 9, 9

178, 220, 244

154, 211, 244

129, 202, 244

105, 194, 244

80, 184, 244

56, 176, 244

32, 167, 244

7, 158, 244

0, 155, 244

178, 220, 244

202, 229, 244

227, 238, 244

251, 244, 247

255, 244, 255

Harmonies

Analogous

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

193, 240, 227

178, 220, 244

159, 203, 245

Triad

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

178, 220, 244

217, 226, 255

255, 228, 194

Complementary

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

178, 220, 244

244, 178, 206

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, 212, 218

178, 220, 244

251, 219, 255

Square

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

178, 220, 244

183, 214, 255

255, 213, 244

233, 255, 180

Rectangle

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

178, 220, 244

157, 203, 255

255, 213, 244

255, 218, 201

Sweetspot

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

178, 220, 244

235, 248, 255

178, 244, 215

115, 123, 128

0, 0, 0

128, 128, 128

Same Dimension

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

178, 220, 244

173, 225, 255

178, 210, 244

110, 118, 122

0, 118, 186

0, 37, 59

Inverse Universe

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

244, 178, 206

255, 173, 208

244, 182, 178

122, 110, 115

186, 0, 80

59, 0, 25

Previews

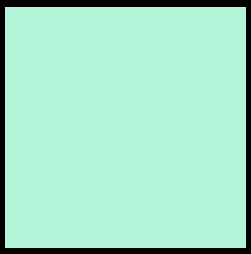
White Background

This preview shows how the RYB color 178, 220, 244 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



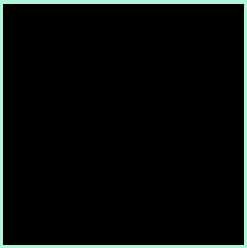
This preview shows how the RYB color 178, 220, 244 looks on a black background.

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 178, 220, 244 Background



This preview shows how black text looks on a background with the RYB color 178, 220, 244.

This preview shows how white text looks on a background with the RYB color 178, 220, 244.

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
178, 220, 244

Protanopia
222, 238, 207

Deuteranopia
255, 222, 220

Tritanopia
190, 217, 255

Trichromacy

Original Color
178, 220, 244

Protanomaly
210, 234, 228

Deuteranomaly
218, 230, 221

Tritanomaly
186, 213, 241

Monochromacy

Original Color
178, 220, 244

Achromatopsia
221, 221, 221

Achromatomaly
205, 220, 229

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 220, 244 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(178, 244, 216) looks like.

```
.text, #text, p{
    color:rgb(178, 244, 216)
}
```

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(178, 244, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 244, 216) }
```

Border

The CSS property to change the border of an element to RYB 178, 220, 244 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(178, 244, 216) }
```

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

```
.border{ border-color:rgb(178, 244, 216) }
```

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

Here you see how a box with a 4 pixel rgb(178, 244, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 244, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 244, 216); box-shadow:4px 4px 4px 4px rgb(178, 244, 216) }
```

Background

The CSS property to change the background color of an element to RYB 178, 220, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(178, 244, 216) }
```

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

```
.background{ background-color:rgb(178,
244, 216) }
```

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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