Converting Colors

RYB(202, 238, 242)

Have a look what the booklet for RYB(202, 238, 242) contains.

Color

RYB(202, 238, 242)

Conversions

Conversions Part 1

Format	Color
Hex	CAF2CE
RGB	202, 242, 206
RGB Percent	79%, 95%, 81%
CMY	0.2078, 0.0510, 0.1904
CMYK	0.17, 0.00, 0.15, 0.05
HSL	127°, 61%, 87%
HSV	127°, 17%, 95%
XYZ	67.3039, 80.5387, 70.6742
YIQ	225.9360, -12.2840, -19.6760

Conversions

Conversions Part 2

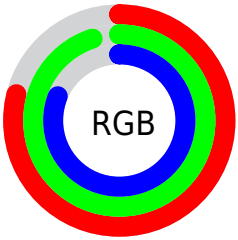
Format	Color
RYB	202, 238, 242
Decimal	13300430
CIELab	91.93, -19.54, 12.91
CIELCh	92, 23.420, 146.539
Yxy	80.5387, 0.3080, 0.3686
Android (android.graphics.Color)	4291490510 (0xFFCAF2CE)
YUV	225.9360, -9.8284, -20.9919
Hunter-Lab	89.7433, -23.1830, 16.1286

Details

The RYB color 202, 238, 242 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 242, 202, 238, and the grayscale version is 226, 226, 226.

A 20% lighter version of the original color is 255, 255, 255, and 148, 182, 186 is the 20% darker color. If you saturate the color by 10%, you get 178, 236, 242, and if you desaturate by 10%, it is 226, 240, 242.

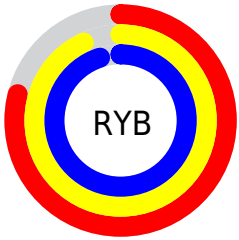
Distribution



Red (79%)

Green (95%)

Blue (81%)



Red (79%)

Yellow (93%)

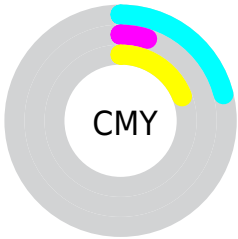
Blue (95%)

Cyan (17%)

Magenta (0%)

Yellow (15%)

Black (5%)



Cyan (21%)

Magenta (5%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 202, 238, 242 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 202, 238, 242 by changing the saturation by 10% instead.

202, 238, 242

255, 255, 255

202, 238, 242

174, 210, 214

148, 182, 186

121, 155, 159

96, 129, 133

72, 103, 107

48, 78, 83

25, 53, 59

4, 31, 37

0, 13, 13

202, 238, 242

178, 236, 242

154, 234, 242

129, 230, 242

105, 228, 242

81, 226, 242

57, 224, 242

33, 221, 242

8, 219, 242

0, 218, 242

202, 238, 242

226, 240, 242

250, 242, 249

255, 242, 255

Harmonies

Analogous

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

191, 237, 200

202, 238, 242

181, 218, 245

Triad

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

202, 238, 242

203, 223, 255

255, 217, 213

Complementary

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

202, 238, 242

242, 202, 238

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, 216, 235

202, 238, 242

233, 227, 255

Square

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

202, 238, 242

179, 213, 255

255, 220, 255

255, 244, 195

Rectangle

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

202, 238, 242

172, 209, 245

255, 220, 255

255, 216, 220

Sweetspot

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

202, 238, 242

242, 253, 255

202, 242, 206

120, 127, 128

0, 0, 0

128, 128, 128

Same Dimension

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

202, 238, 242

204, 250, 255

202, 227, 242

108, 119, 120

0, 166, 184

0, 51, 56

Inverse Universe

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

242, 202, 238

255, 204, 249

242, 202, 218

120, 108, 119

184, 0, 163

56, 0, 50

Previews

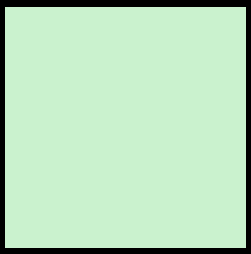
White Background

This preview shows how the RYB color 202, 238, 242 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



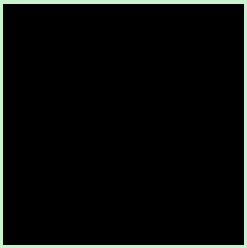
This preview shows how the RYB color 202, 238, 242 looks on a black background.

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 202, 238, 242 Background



This preview shows how black text looks on a background with the RYB color 202, 238, 242.

This preview shows how white text looks on a background with the RYB color 202, 238, 242.

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
202, 238, 242

Protanopia
216, 242, 201

Deuteranopia
255, 228, 215

Tritanopia
210, 226, 254

Trichromacy

Original Color
202, 238, 242

Protanomaly
203, 235, 211

Deuteranomaly
218, 236, 212

Tritanomaly
207, 223, 238

Monochromacy

Original Color
202, 238, 242

Achromatopsia
226, 226, 226

Achromatomaly
217, 230, 232

CSS Examples

Text

The CSS property to change the color of the text to RYB 202, 238, 242 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(202, 242, 206) looks like.

```
.text, #text, p{
    color:rgb(202, 242, 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(202, 242, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 206) }
```

Border

The CSS property to change the border of an element to RYB 202, 238, 242 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(202, 242, 206) }
```

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

```
.border{ border-color:rgb(202, 242, 206) }
```

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

Here you see how a box with a 4 pixel rgb(202, 242, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 242, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 242, 206); box-shadow:4px 4px 4px 4px rgb(202, 242, 206) }
```

Background

The CSS property to change the background color of an element to RYB 202, 238, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(202, 242, 206) }
```

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

```
.background{ background-color:rgb(202,
242, 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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