Converting Colors

RYB(169, 238, 212)

Have a look what the booklet for RYB(169, 238, 212) contains.

Color

RYB(169, 238, 212)

Conversions

Conversions Part 1

Format	Color
Hex	C3EEA9
RGB	195, 238, 169
RGB Percent	76%, 93%, 66%
CMY	0.2353, 0.0667, 0.3373
CMYK	0.18, 0.00, 0.29, 0.07
HSL	97°, 67%, 80%
HSV	97°, 29%, 93%
XYZ	60.2416, 75.6157, 48.9563
YIQ	217.2770, -3.4790, -30.5750

Conversions

Conversions Part 2

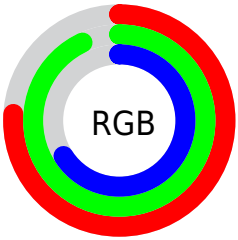
Format	Color
RYB	169, 238, 212
Decimal	12840617
CIELab	89.68, -26.03, 28.99
CIELCh	90, 38.958, 131.918
Yxy	75.6157, 0.3260, 0.4091
Android (android.graphics.Color)	4291030697 (0xFFC3EEA9)
YUV	217.2770, -23.8006, -19.5369
Hunter-Lab	86.9573, -28.5154, 27.4903

Details

The RYB color 169, 238, 212 is a light color, and the websafe version is hex CCFFCC. A complement of this color would be 212, 169, 238, and the grayscale version is 218, 218, 218.

A 20% lighter version of the original color is 225, 255, 228, and 116, 182, 158 is the 20% darker color. If you saturate the color by 10%, you get 145, 238, 203, and if you desaturate by 10%, it is 193, 238, 221.

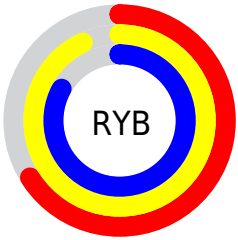
Distribution



Red (76%)

Green (93%)

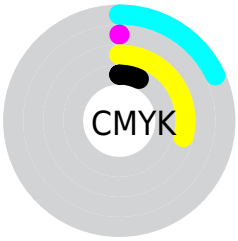
Blue (66%)



Red (66%)

Yellow (93%)

Blue (83%)

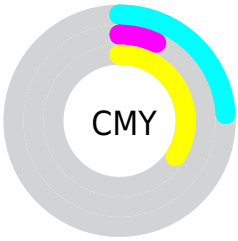


Cyan (18%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (24%)

Magenta (7%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 169, 238, 212 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 169, 238, 212 by changing the saturation by 10% instead.

169, 238, 212

255, 255, 255

225, 255, 228

253, 255, 253

169, 238, 212

142, 210, 185

116, 182, 158

91, 155, 132

67, 129, 107

44, 103, 83

21, 79, 61

0, 56, 41

0, 35, 35

0, 0, 0

169, 238, 212

145, 238, 203

121, 238, 194

98, 238, 185

74, 238, 176

50, 238, 167

26, 238, 158

2, 238, 149

0, 238, 148

169, 238, 212

193, 238, 221

217, 238, 230

239, 238, 240

254, 238, 255

255, 238, 255

Harmonies

Analogous

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

161, 236, 152

169, 238, 212

151, 211, 244

Triad

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

169, 238, 212

142, 193, 255

255, 198, 212

Complementary

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

169, 238, 212

212, 169, 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, 200, 249

169, 238, 212

198, 216, 255

Square

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

169, 238, 212

103, 176, 255

249, 211, 255

255, 218, 177

Rectangle

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

169, 238, 212

123, 190, 246

249, 211, 255

255, 197, 224

Sweetspot

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

169, 238, 212

232, 255, 246

211, 238, 169

113, 128, 122

0, 0, 0

128, 128, 128

Same Dimension

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

169, 238, 212

166, 255, 222

169, 231, 238

108, 120, 116

0, 184, 115

0, 56, 35

Inverse Universe

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

212, 169, 238

221, 166, 255

238, 169, 230

115, 108, 120

114, 0, 184

35, 0, 56

Previews

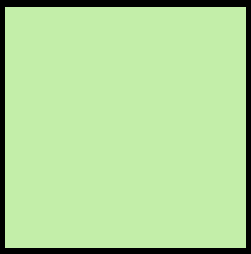
White Background

This preview shows how the RYB color 169, 238, 212 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



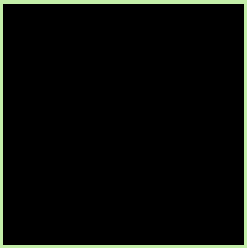
This preview shows how the RYB color 169, 238, 212 looks on a black background.

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 169, 238, 212 Background



This preview shows how black text looks on a background with the RYB color 169, 238, 212.

This preview shows how white text looks on a background with the RYB color 169, 238, 212.

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
169, 238, 212

Protanopia
185, 242, 163

Deuteranopia
255, 242, 188

Tritanopia
207, 221, 246

Trichromacy

Original Color
169, 238, 212

Protanomaly
165, 230, 170

Deuteranomaly
190, 233, 181

Tritanomaly
203, 222, 232

Monochromacy

Original Color
169, 238, 212

Achromatopsia
217, 217, 217

Achromatomaly
200, 225, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 169, 238, 212 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(195, 238, 169) looks like.

```
.text, #text, p{
    color:rgb(195, 238, 169)
}
```

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(195, 238, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 238, 169) }
```

Border

The CSS property to change the border of an element to RYB 169, 238, 212 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(195, 238, 169) }
```

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

```
.border{ border-color:rgb(195, 238, 169) }
```

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

Here you see how a box with a 4 pixel rgb(195, 238, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 238, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 238, 169); box-shadow:4px 4px 4px 4px rgb(195, 238, 169) }
```

Background

The CSS property to change the background color of an element to RYB 169, 238, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(195, 238, 169) }
```

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

```
.background{ background-color:rgb(195,
238, 169) }
```

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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