Converting Colors

RYB(212, 242, 209)

Have a look what the booklet for RYB(212, 242, 209) contains.

Color

RYB(212, 242, 209)

Conversions

Conversions Part 1

Format	Color
Hex	F2EFD1
RGB	242, 239, 209
RGB Percent	95%, 94%, 82%
CMY	0.0510, 0.0618, 0.1804
CMYK	0.00, 0.01, 0.14, 0.05
HSL	55°, 56%, 88%
HSV	55°, 14%, 95%
XYZ	79.0663, 85.3602, 72.6305
YIQ	236.4770, 11.4180, -8.6940

Conversions

Conversions Part 2

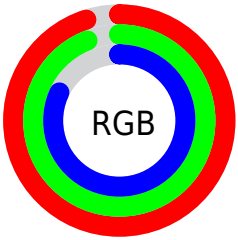
Format	Color
RYB	212, 242, 209
Decimal	15921105
CIELab	94.04, -4.06, 14.97
CIELCh	94, 15.512, 105.175
Yxy	85.3602, 0.3335, 0.3601
Android (android.graphics.Color)	4294111185 (0xFFF2EFD1)
YUV	236.4770, -13.5462, 4.8437
Hunter-Lab	92.3906, -8.9262, 18.0641

Details

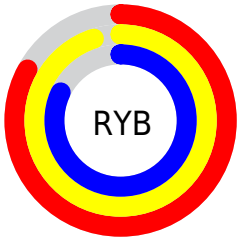
The RYB color 212, 242, 209 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 209, 212, 242, and the grayscale version is 237, 237, 237.

A 20% lighter version of the original color is 255, 255, 255, and 158, 186, 155 is the 20% darker color. If you saturate the color by 10%, you get 190, 242, 185, and if you desaturate by 10%, it is 234, 242, 233.

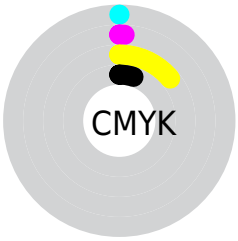
Distribution



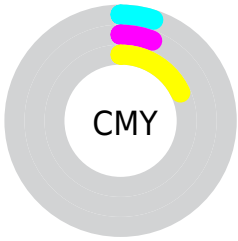
- Red (95%)
- Green (94%)
- Blue (82%)



- Red (83%)
- Yellow (95%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (14%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 242, 209 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 212, 242, 209 by changing the saturation by 10% instead.

212, 242, 209

255, 255, 255

212, 242, 209

184, 214, 181

158, 186, 155

131, 159, 128

105, 132, 103

81, 107, 79

58, 83, 56

35, 59, 34

13, 37, 13

0, 16, 4

212, 242, 209

190, 242, 185

169, 242, 161

146, 242, 136

124, 242, 112

102, 242, 88

80, 242, 64

59, 242, 40

36, 242, 15

22, 242, 0

212, 242, 209

234, 242, 233

242, 243, 255

242, 244, 255

242, 246, 255

242, 247, 255

242, 247, 255

242, 248, 255

242, 249, 255

Harmonies

Analogous

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

248, 255, 209

212, 242, 209

216, 244, 235

Triad

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

212, 242, 209

202, 226, 255

255, 228, 246

Complementary

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

212, 242, 209

209, 212, 242

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.

250, 232, 255

212, 242, 209

214, 230, 255

Square

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

212, 242, 209

201, 225, 247

232, 236, 255

255, 228, 231

Rectangle

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

212, 242, 209

214, 238, 246

232, 236, 255

255, 229, 251

Sweetspot

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

212, 242, 209

246, 255, 245

242, 209, 212

122, 128, 121

0, 0, 0

128, 128, 128

Same Dimension

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

212, 242, 209

217, 255, 214

209, 242, 223

109, 120, 108

18, 184, 0

5, 56, 0

Inverse Universe

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

209, 212, 242

214, 218, 255

223, 209, 242

108, 109, 120

0, 14, 184

0, 5, 56

Previews

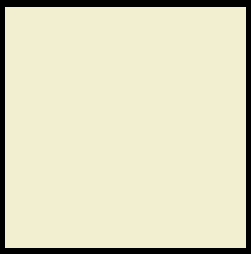
White Background

This preview shows how the RYB color 212, 242, 209 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



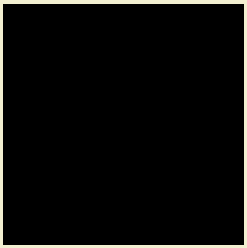
This preview shows how the RYB color 212, 242, 209 looks on a black background.

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 212, 242, 209 Background



This preview shows how black text looks on a background with the RYB color 212, 242, 209.

This preview shows how white text looks on a background with the RYB color 212, 242, 209.

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
212, 242, 209

Protanopia
225, 249, 208

Deuteranopia
255, 236, 225

Tritanopia
248, 233, 252

Trichromacy

Original Color
212, 242, 209

Protanomaly
218, 246, 208

Deuteranomaly
248, 250, 219

Tritanomaly
246, 235, 236

Monochromacy

Original Color
212, 242, 209

Achromatopsia
237, 237, 237

Achromatomaly
228, 239, 227

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 242, 209 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(242, 239, 209) looks like.

```
.text, #text, p{
    color:rgb(242, 239, 209)
}
```

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(242, 239, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 239, 209) }
```

Border

The CSS property to change the border of an element to RYB 212, 242, 209 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(242, 239, 209) }
```

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

```
.border{ border-color:rgb(242, 239, 209) }
```

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

Here you see how a box with a 4 pixel rgb(242, 239, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 239, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 239, 209); box-shadow:4px 4px 4px 4px rgb(242, 239, 209) }
```

Background

The CSS property to change the background color of an element to RYB 212, 242, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(242, 239, 209) }
```

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

```
.background{ background-color:rgb(242,
239, 209) }
```

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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