

Converting Colors

`RYB(200, 246, 204)`

Have a look what the booklet for
RYB(200, 246, 204) contains.

RYB(200, 246, 204)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(200, 246, 204)

Conversions

Conversions Part 1

Format	Color
Hex	F2F6C8
RGB	242, 246, 200
RGB Percent	95%, 96%, 78%
CMY	0.0510, 0.0353, 0.2157
CMYK	0.02, 0.00, 0.19, 0.04
HSL	65°, 72%, 87%
HSV	65°, 19%, 96%
XYZ	79.9990, 88.9589, 67.5980
YIQ	239.5600, 12.3820, -15.1540

Conversions

Conversions Part 2

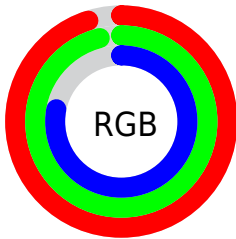
Format	Color
R_{YB}	200, 246, 204
Decimal	15922888
CIE _{Lab}	95.56, -8.79, 21.73
CIE _{LCh}	96, 23.445, 112.026
Yxy	88.9589, 0.3382, 0.3761
Android (android.graphics.Color)	4294112968 (0xFFFF2F6C8)
YUV	239.5600, -19.5031, 2.1399
Hunter-Lab	94.3180, -13.6557, 23.5293

Details

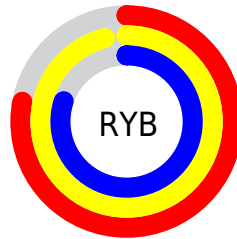
The RYB color **200, 246, 204** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **204, 200, 246**, and the grayscale version is **240, 240, 240**.

A 20% lighter version of the original color is **255, 255, 255**, and **146, 190, 150** is the 20% darker color. If you saturate the color by 10%, you get **175, 246, 181**, and if you desaturate by 10%, it is **225, 246, 227**.

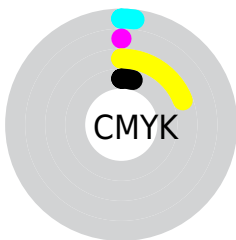
Distribution



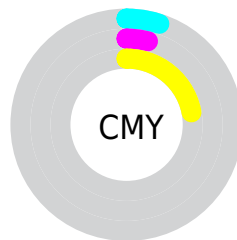
- Red (95%)
- Green (96%)
- Blue (78%)



- Red (78%)
- Yellow (96%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (19%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 200, 246, 204 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 200, 246, 204 by changing the saturation by 10% instead.

200, 246, 204

255, 255, 255

200, 246, 204

173, 218, 178

146, 190, 150

120, 163, 125

95, 136, 99

71, 111, 76

48, 87, 53

26, 64, 32

2, 42, 8

0, 22, 14

200, 246, 204

200, 246, 204

175, 246, 181

225, 246, 227

151, 246, 159

246, 246, 249

126, 246, 136

248, 246, 255

102, 246, 115

251, 246, 255

77, 246, 92

253, 246, 255

52, 246, 69

255, 246, 255

28, 246, 47

3, 246, 24

0, 246, 21

Harmonies

Analogous

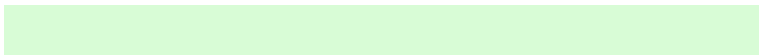
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



220, 255, 198



200, 246, 204



214, 252, 250

Triad

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



200, 246, 204



187, 220, 255



255, 227, 249

Complementary

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



200, 246, 204



204, 200, 246

Split Complementary

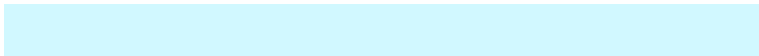
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 231, 255



200, 246, 204



209, 230, 255

Square

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



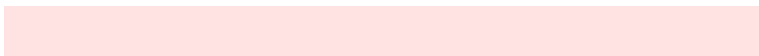
200, 246, 204



182, 219, 255



239, 239, 255



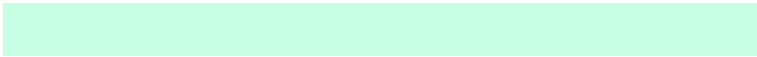
255, 227, 226

Rectangle

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



200, 246, 204



200, 236, 254



239, 239, 255



255, 228, 255

Sweetspot

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



200, 246, 204



240, 255, 241



246, 204, 200



119, 128, 120



0, 0, 0



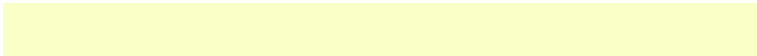
128, 128, 128

Same Dimension

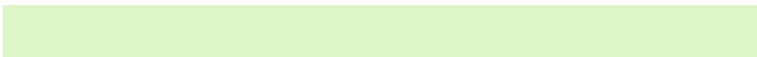
The Same Dimension uses a secret algorithm to generate beautiful new colors.



200, 246, 204



199, 255, 204



200, 246, 227



110, 122, 111



0, 186, 16



0, 59, 5

Inverse Universe

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



204, 200, 246



204, 199, 255



227, 200, 246



111, 110, 122



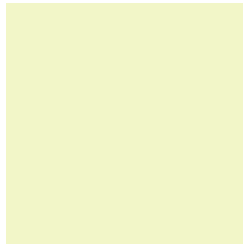
16, 0, 186



5, 0, 59

Previews

White Background



This preview shows how the RYB color 200, 246, 204 looks on a white background.

Color Contrast Check

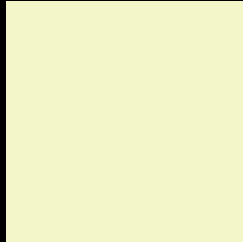
Large Text (above 18pt) WCAG AA × Fail

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 200, 246, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

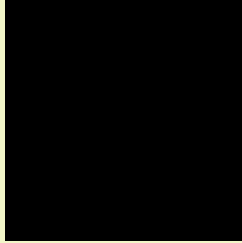
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

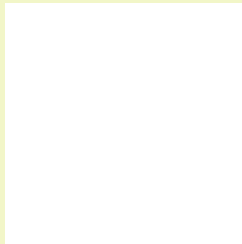
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 200, 246, 204 Background



This preview shows how black text looks on a background with the RYB color 200, 246, 204.



This preview shows how white text looks on a background with the RYB color 200, 246, 204.

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

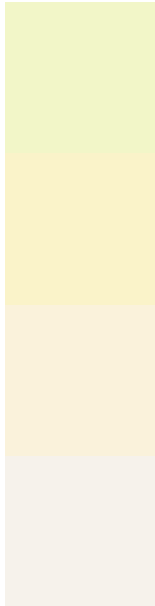
	Original Color 200, 246, 204
	Protanopia 219, 255, 202
	Deuteranopia 255, 244, 230



Tritanopia

249, 239, 255

Trichromacy



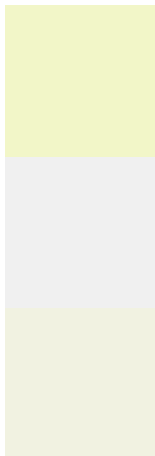
Original Color
200, 246, 204

Protanomaly
209, 250, 201

Deuteranomaly
230, 250, 219

Tritanomaly
241, 246, 235

Monochromacy



Original Color
200, 246, 204

Achromatopsia
240, 240, 240

Achromatomaly
225, 242, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 200, 246, 204 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, 246, 200)` looks like.

```
.text, #text, p{  
    color:rgb(242, 246, 200)  
}
```

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, 246, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 246, 200) }
```

Border

The CSS property to change the border of an element to RYB 200, 246, 204 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, 246, 200) }
```

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

```
.border{ border-color:rgb(242, 246, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 246, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 246, 200); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 246, 200); box-shadow:4px 4px 4px 4px rgb(242, 246, 200) }
```

Background

The CSS property to change the background color of an element to RYB 200, 246, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 246, 200) }
```

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

```
.background{ background-color: rgb(242,  
246, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor