

Converting Colors

`RYB(204, 242, 204)`

Have a look what the booklet for
RYB(204, 242, 204) contains.

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Color

R_YB(204, 242, 204)

Conversions

Conversions Part 1

Format	Color
Hex	F2F2CC
RGB	242, 242, 204
RGB Percent	95%, 95%, 80%
CMY	0.0510, 0.0510, 0.2000
CMYK	0.00, 0.00, 0.16, 0.05
HSL	60°, 59%, 87%
HSV	60°, 16%, 95%
XYZ	79.2692, 86.7411, 69.6915
YIQ	237.6680, 12.1980, -11.8180

Conversions

Conversions Part 2

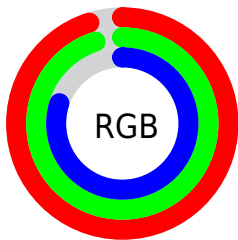
Format	Color
RYB	204, 242, 204
Decimal	15921868
CIELab	94.63, -6.20, 18.38
CIELCh	95, 19.397, 108.650
Yxy	86.7411, 0.3363, 0.3680
Android (android.graphics.Color)	4294111948 (0xFFFF2F2CC)
YUV	237.6680, -16.5983, 3.7992
Hunter-Lab	93.1349, -11.0609, 20.8286

Details

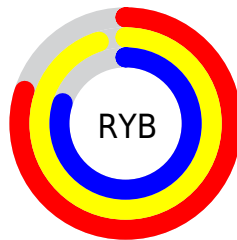
The RYB color `204, 242, 204` is a light color, and the websafe version is hex `FFFCC`. A complement of this color would be `204, 204, 242`, and the grayscale version is `238, 238, 238`.

A 20% lighter version of the original color is `255, 255, 255`, and `150, 186, 150` is the 20% darker color. If you saturate the color by 10%, you get `180, 242, 180`, and if you desaturate by 10%, it is `228, 242, 228`.

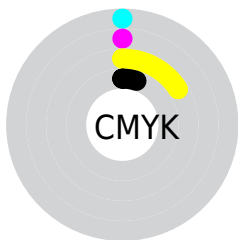
Distribution



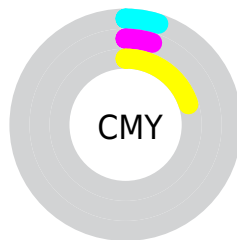
- Red (95%)
- Green (95%)
- Blue (80%)



- Red (80%)
- Yellow (95%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)



- Cyan (5%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 242, 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 204, 242, 204 by changing the saturation by 10% instead.

■ 204, 242, 204

255, 255, 255

■ 204, 242, 204

■ 176, 214, 177

■ 150, 186, 150

■ 124, 159, 124

■ 99, 133, 100

■ 75, 108, 76

■ 52, 84, 54

■ 30, 60, 31

■ 7, 39, 9

■ 0, 19, 9

 204, 242, 204

 204, 242, 204

 180, 242, 180

 228, 242, 228

 156, 242, 156

 242, 242, 252

 131, 242, 131

 242, 242, 255

 107, 242, 107

 83, 242, 83

 59, 242, 59

 35, 242, 35

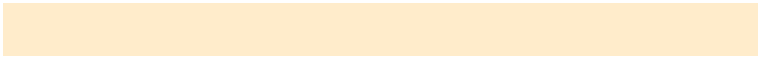
 10, 242, 10

 0, 242, 0

Harmonies

Analogous

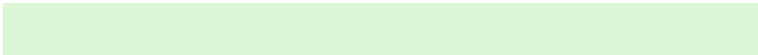
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



233, 255, 203



204, 242, 204



214, 247, 241

Triad

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



204, 242, 204



194, 223, 255



255, 227, 247

Complementary

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



204, 242, 204



204, 204, 242

Split Complementary

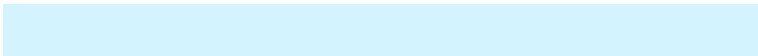
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 231, 255



204, 242, 204



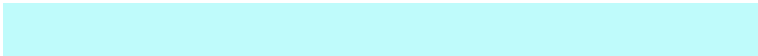
211, 230, 255

Square

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



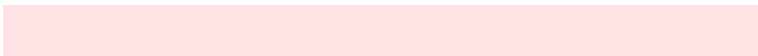
204, 242, 204



191, 221, 251



234, 237, 255



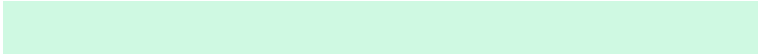
255, 227, 228

Rectangle

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



204, 242, 204



207, 236, 249



234, 237, 255



255, 228, 254

Sweetspot

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



204, 242, 204



242, 255, 242



242, 204, 204



120, 128, 120



0, 0, 0



128, 128, 128

Same Dimension

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



204, 242, 204



207, 255, 207



204, 242, 223



108, 120, 108



0, 184, 0



0, 56, 0

Inverse Universe

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



204, 204, 242



207, 207, 255



223, 204, 242



108, 108, 120



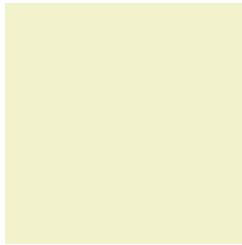
0, 0, 184



0, 0, 56

Previews

White Background



This preview shows how the RYB color 204, 242, 204 looks on a white background.

Color Contrast Check

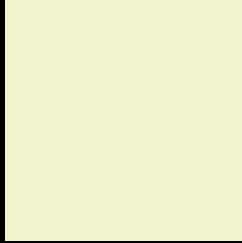
Large Text (above 18pt) WCAG AA × Fail

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 204, 242, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

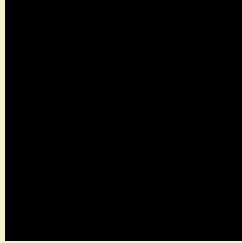
Any Text WCAG AA ✓ Pass

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](#).

R/Y/B 204, 242, 204 Background



This preview shows how black text looks on a background with the R/Y/B color 204, 242, 204.

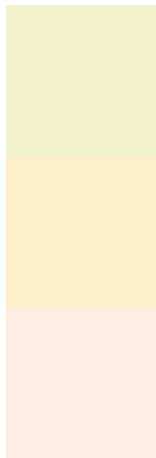


This preview shows how white text looks on a background with the R/Y/B color 204, 242, 204.

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
204, 242, 204

Protanopia
220, 252, 202

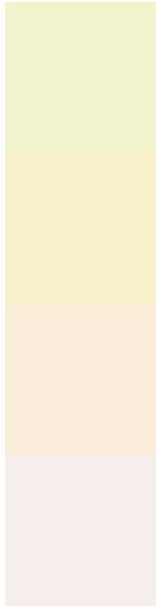
Deuteranopia
255, 241, 226



Tritanopia

249, 235, 254

Trichromacy



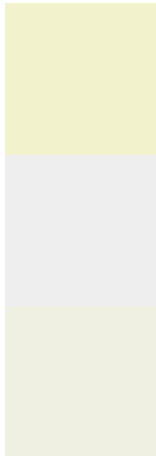
Original Color
204, 242, 204

Protanomaly
213, 248, 203

Deuteranomaly
237, 250, 218

Tritanomaly
246, 239, 236

Monochromacy



Original Color
204, 242, 204

Achromatopsia
238, 238, 238

Achromatomaly
226, 239, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 242, 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, 242, 204) looks like.

```
.text, #text, p{  
    color:rgb(242, 242, 204)  
}
```

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, 242, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 242, 204) }
```

Border

The CSS property to change the border of an element to RYB 204, 242, 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, 242, 204) }
```

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

```
.border{ border-color:rgb(242, 242, 204) }
```

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

Here you see how a box with a 4 pixel rgb(242, 242, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 242, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 242, 204);  
box-shadow:4px 4px 4px 4px rgb(242, 242,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 204, 242, 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, 242, 204) }
```

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

```
.background{ background-color: rgb(242,  
242, 204) }
```

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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