

Converting Colors

`RYB(204, 240, 216)`

Have a look what the booklet for
RYB(204, 240, 216) contains.

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Color

R_YB(204, 240, 216)

Conversions

Conversions Part 1

Format	Color
Hex	E4F0CC
RGB	228, 240, 204
RGB Percent	89%, 94%, 80%
CMY	0.1059, 0.0588, 0.2000
CMYK	0.05, 0.00, 0.15, 0.06
HSL	80°, 55%, 87%
HSV	80°, 15%, 94%
XYZ	74.0541, 83.1738, 69.2778
YIQ	232.3080, 4.4040, -13.7400

Conversions

Conversions Part 2

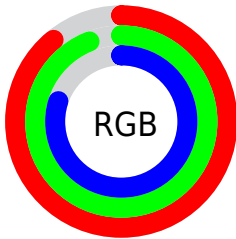
Format	Color
RYB	204, 240, 216
Decimal	15003852
CIELab	93.09, -10.13, 16.07
CIELCh	93, 18.995, 122.229
Yxy	83.1738, 0.3269, 0.3672
Android (android.graphics.Color)	4293193932 (0xFFE4F0CC)
YUV	232.3080, -13.9558, -3.7781
Hunter-Lab	91.1997, -14.6575, 18.8014

Details

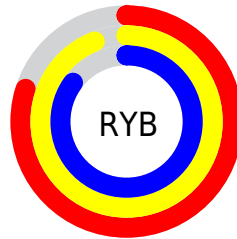
The RYB color **204, 240, 216** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **216, 204, 240**, and the grayscale version is **232, 232, 232**.

A 20% lighter version of the original color is **255, 255, 255**, and **150, 184, 162** is the 20% darker color. If you saturate the color by 10%, you get **180, 240, 200**, and if you desaturate by 10%, it is **228, 240, 232**.

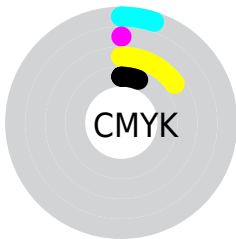
Distribution



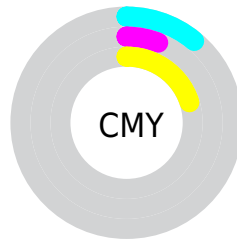
- Red (89%)
- Green (94%)
- Blue (80%)



- Red (80%)
- Yellow (94%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)



- Cyan (11%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 240, 216 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, 240, 216 by changing the saturation by 10% instead.

■ 204, 240, 216

255, 255, 255

■ 204, 240, 216

■ 177, 212, 189

■ 150, 184, 162

■ 124, 157, 135

■ 99, 131, 110

■ 75, 106, 86

■ 52, 82, 63

■ 30, 59, 41

■ 7, 37, 17

■ 0, 17, 17

 204, 240, 216

 204, 240, 216

 180, 240, 200

 228, 240, 232

 156, 240, 184

 244, 240, 252

 132, 240, 168

 252, 240, 255

 108, 240, 152

 255, 240, 255

 84, 240, 136

 60, 240, 120

 36, 240, 104

 12, 240, 88

 0, 240, 80

Harmonies

Analogous

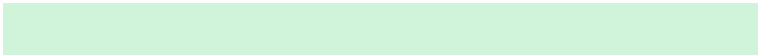
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



220, 249, 199



204, 240, 216



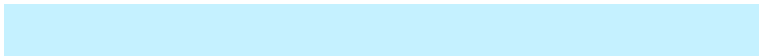
208, 236, 244

Triad

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



204, 240, 216



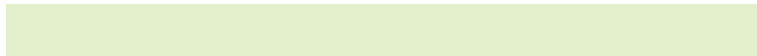
197, 222, 255



255, 223, 234

Complementary

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



204, 240, 216



216, 204, 240

Split Complementary

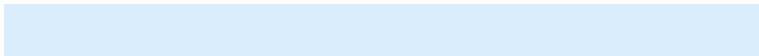
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 225, 253



204, 240, 216



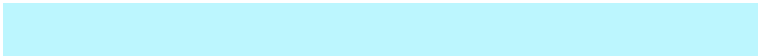
217, 230, 255

Square

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



204, 240, 216



188, 219, 254



240, 230, 255



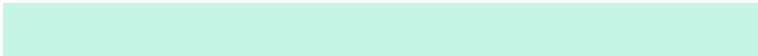
255, 226, 216

Rectangle

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



204, 240, 216



196, 226, 246



240, 230, 255



255, 223, 241

Sweetspot

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



204, 240, 216



242, 255, 246



240, 222, 204



120, 128, 123



0, 0, 0



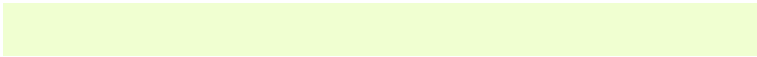
128, 128, 128

Same Dimension

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



204, 240, 216



209, 255, 224



204, 240, 233



108, 120, 112



0, 184, 62



0, 56, 19

Inverse Universe

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



216, 204, 240



224, 209, 255



234, 204, 240



112, 108, 120



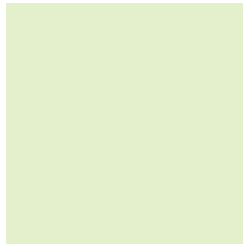
61, 0, 184



19, 0, 56

Previews

White Background



This preview shows how the RYB color 204, 240, 216 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, 240, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

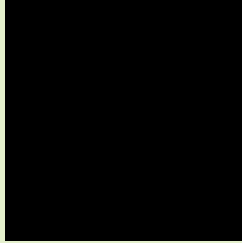
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

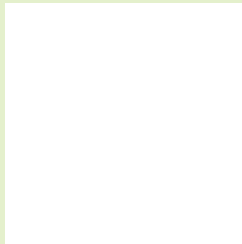
Any Text WCAG AAA ✓ Pass

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

RYB 204, 240, 216 Background



This preview shows how black text looks on a background with the RYB color 204, 240, 216.

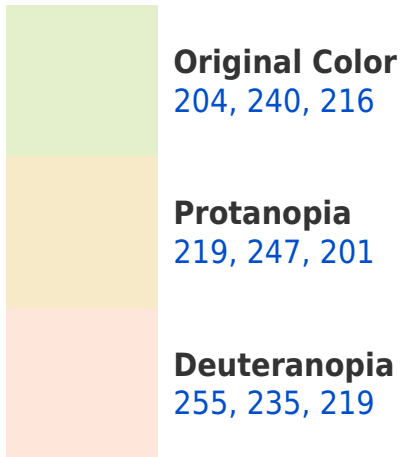


This preview shows how white text looks on a background with the RYB color 204, 240, 216.

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](#).

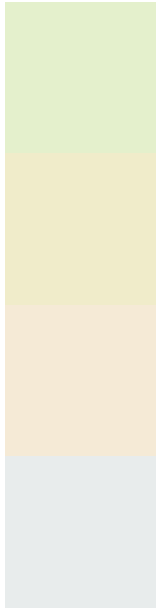
Dichromacy





Tritanopia
235, 233, 252

Trichromacy



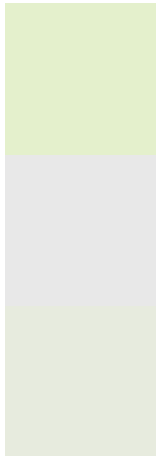
Original Color
204, 240, 216

Protanomaly
206, 240, 202

Deuteranomaly
231, 245, 214

Tritanomaly
232, 234, 236

Monochromacy



Original Color
204, 240, 216

Achromatopsia
232, 232, 232

Achromatomaly
222, 235, 226

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 240, 216 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(228, 240, 204)` looks like.

```
.text, #text, p{  
    color:rgb(228, 240, 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(228, 240, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 240, 204) }
```

Border

The CSS property to change the border of an element to RYB 204, 240, 216 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(228, 240, 204) }
```

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

```
.border{ border-color:rgb(228, 240, 204) }
```

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

Here you see how a box with a 4 pixel rgb(228, 240, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 240, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 240, 204);  
box-shadow:4px 4px 4px 4px rgb(228, 240,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 204, 240, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 240, 204) }
```

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

```
.background{ background-color: rgb(228,  
240, 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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