

Converting Colors

`RYB(195, 240, 200)`

Have a look what the booklet for
RYB(195, 240, 200) contains.

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Color

R_YB(195, 240, 200)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EBF0C3 |
| RGB | 235, 240, 195 |
| RGB Percent | 92%, 94%, 76% |
| CMY | 0.0784, 0.0588, 0.2353 |
| CMYK | 0.02, 0.00, 0.19, 0.06 |
| HSL | 67°, 60%, 85% |
| HSV | 67°, 19%, 94% |
| XYZ | 75.2714, 83.9225, 63.8612 |
| YIQ | 233.3750, 11.4650, -15.0550 |

Conversions

Conversions Part 2

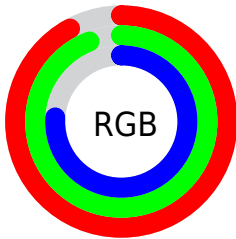
| Format | Color |
|-------------------------------------|---|
| RYB | 195, 240, 200 |
| Decimal | 15462595 |
| CIELab | 93.42, -9.03, 21.24 |
| CIELCh | 93, 23.077, 113.035 |
| Yxy | 83.9225, 0.3375, 0.3762 |
| Android (android.graphics.Color) | 4293652675 (0xFFEBF0C3) |
| YUV | 233.3750, -18.9189, 1.4251 |
| Hunter-Lab | 91.6092, -13.6503, 22.7951 |

Details

The RYB color **195, 240, 200** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **200, 195, 240**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is **252, 255, 252**, and **141, 184, 146** is the 20% darker color. If you saturate the color by 10%, you get **171, 240, 179**, and if you desaturate by 10%, it is **219, 240, 221**.

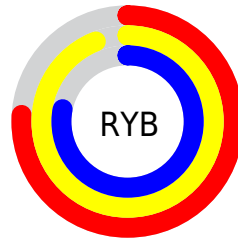
Distribution



Red (92%)

Green (94%)

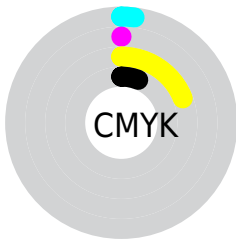
Blue (76%)



Red (76%)

Yellow (94%)

Blue (78%)

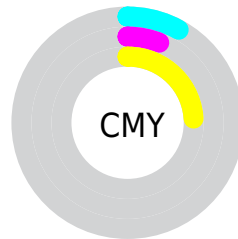


Cyan (2%)

Magenta (0%)

Yellow (19%)

Black (6%)



Cyan (8%)

Magenta (6%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 195, 240, 200 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 195, 240, 200 by changing the saturation by 10% instead.

195, 240, 200

195, 240, 200

255, 255, 255

168, 212, 173

252, 255, 252

141, 184, 146

115, 157, 120

91, 131, 96

67, 106, 73

44, 82, 50


23, 59, 29

0, 37, 5

0, 17, 17

 195, 240, 200

 195, 240, 200

 171, 240, 179

 219, 240, 221

 147, 240, 157

 240, 240, 243

 123, 240, 136


 243, 240, 255

 99, 240, 115

 246, 240, 255

 75, 240, 93

 248, 240, 255

 51, 240, 72

 251, 240, 255

 27, 240, 51

 254, 240, 255

 3, 240, 29

 255, 240, 255

 0, 240, 27

Harmonies

Analogous

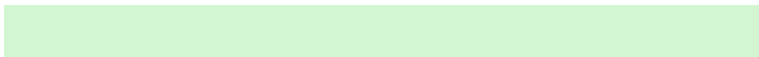
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



226, 255, 192



195, 240, 200



209, 246, 245

Triad

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



195, 240, 200



182, 216, 255



255, 221, 242

Complementary

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



195, 240, 200



200, 195, 240

Split Complementary

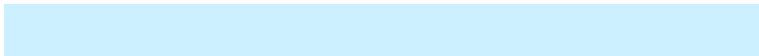
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 225, 255



195, 240, 200



204, 225, 255

Square

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



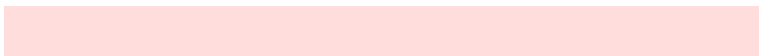
195, 240, 200



177, 214, 253



233, 232, 255



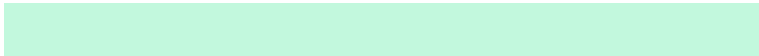
255, 221, 220

Rectangle

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



195, 240, 200



194, 230, 248



233, 232, 255



255, 222, 250

Sweetspot

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



195, 240, 200



240, 255, 242



240, 199, 195



119, 128, 120



0, 0, 0



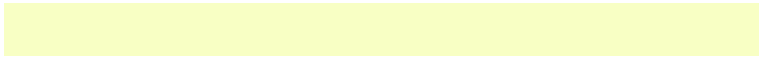
128, 128, 128

Same Dimension

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



195, 240, 200



196, 255, 203



195, 240, 222



108, 120, 109



0, 184, 21



0, 56, 6

Inverse Universe

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



200, 195, 240



203, 196, 255



222, 195, 240



109, 108, 120



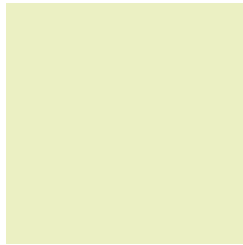
20, 0, 184



6, 0, 56

Previews

White Background



This preview shows how the RYB color 195, 240, 200 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 195, 240, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

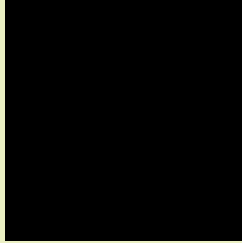
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

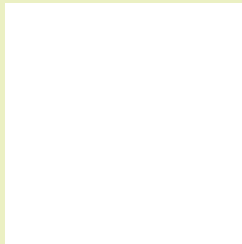
Any Text WCAG AAA ✓ Pass

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

RYB 195, 240, 200 Background



This preview shows how black text looks on a background with the RYB color 195, 240, 200.

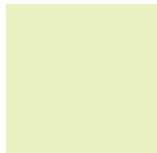
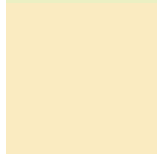
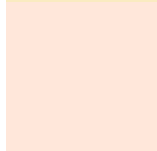


This preview shows how white text looks on a background with the RYB color 195, 240, 200.

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](#).

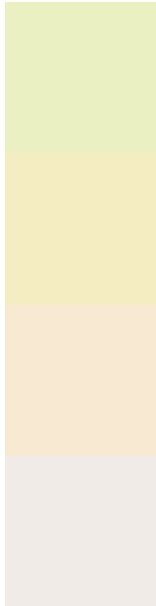
Dichromacy

| | |
|---|--|
|  | Original Color 195, 240, 200 |
|  | Protanopia 213, 250, 193 |
|  | Deuteranopia 255, 238, 218 |



Tritanopia
243, 232, 251

Trichromacy



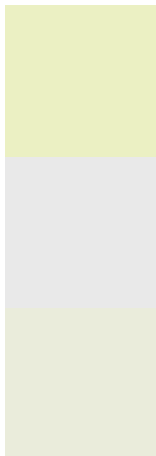
Original Color
195, 240, 200

Protanomaly
203, 245, 194

Deuteranomaly
232, 248, 210

Tritanomaly
240, 238, 231

Monochromacy



Original Color
195, 240, 200

Achromatopsia
233, 233, 233

Achromatomaly
219, 236, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 195, 240, 200 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(235, 240, 195)` looks like.

```
.text, #text, p{  
    color:rgb(235, 240, 195)  
}
```

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(235, 240, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 240, 195) }
```

Border

The CSS property to change the border of an element to RYB 195, 240, 200 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(235, 240, 195) }
```

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

```
.border{ border-color:rgb(235, 240, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 240, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 240, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 240, 195);  
box-shadow:4px 4px 4px 4px rgb(235, 240,  
195) }
```

Background

The CSS property to change the background color of an element to RYB 195, 240, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 240, 195) }
```

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

```
.background{ background-color: rgb(235,  
240, 195) }
```

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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