

Converting Colors

`RYB(199, 240, 196)`

Have a look what the booklet for
RYB(199, 240, 196) contains.

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Color

R_YB(199, 240, 196)

Conversions

Conversions Part 1

Format	Color
Hex	F0EDC4
RGB	240, 237, 196
RGB Percent	94%, 93%, 77%
CMY	0.0588, 0.0698, 0.2314
CMYK	0.00, 0.01, 0.18, 0.06
HSL	56°, 59%, 85%
HSV	56°, 18%, 94%
XYZ	76.2386, 83.1901, 64.2636
YIQ	233.2230, 14.9490, -12.1150

Conversions

Conversions Part 2

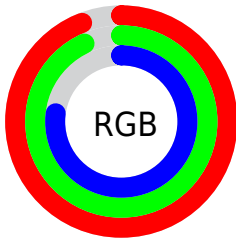
Format	Color
R _Y B	199, 240, 196
Decimal	15789508
CIE Lab	93.10, -5.68, 20.34
CIE LCh	93, 21.114, 105.608
Yxy	83.1901, 0.3408, 0.3719
Android (android.graphics.Color)	4293979588 (0xFFF0EDC4)
YUV	233.2230, -18.3509, 5.9434
Hunter-Lab	91.2086, -10.4121, 22.0716

Details

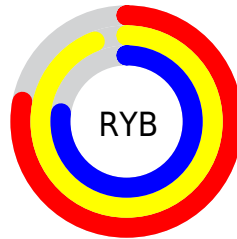
The RYB color **199, 240, 196** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **196, 199, 240**, and the grayscale version is **234, 234, 234**.

A 20% lighter version of the original color is **253, 255, 253**, and **145, 184, 142** is the 20% darker color. If you saturate the color by 10%, you get **176, 240, 172**, and if you desaturate by 10%, it is **221, 240, 220**.

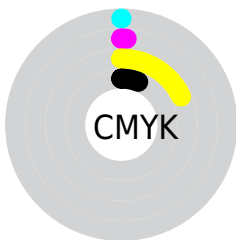
Distribution



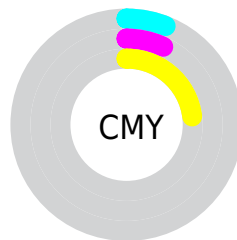
- Red (94%)
- Green (93%)
- Blue (77%)



- Red (78%)
- Yellow (94%)
- Blue (77%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 240, 196 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 199, 240, 196 by changing the saturation by 10% instead.

199, 240, 196

255, 255, 255

253, 255, 253

199, 240, 196

172, 212, 169

145, 184, 142

118, 157, 116

93, 130, 92

69, 105, 68

45, 80, 45

24, 57, 24


1, 36, 0

0, 15, 12

 199, 240, 196

 199, 240, 196

 176, 240, 172

 221, 240, 220

 154, 240, 148

 240, 240, 244

 131, 240, 124

 240, 242, 255

 110, 240, 100

 240, 243, 255

 87, 240, 76


 240, 244, 255

 65, 240, 52

 240, 244, 255

 43, 240, 28

 240, 245, 255

 20, 240, 4

 240, 246, 255

 16, 240, 0

 240, 246, 255

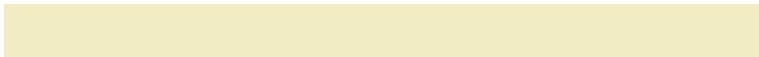
Harmonies

Analogous

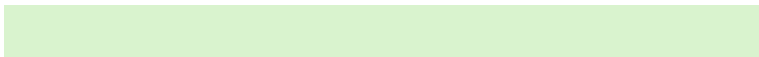
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



239, 255, 196



199, 240, 196



206, 243, 232

Triad

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



199, 240, 196



184, 217, 255



255, 222, 246

Complementary

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



199, 240, 196



196, 199, 240

Split Complementary

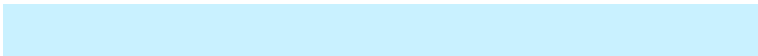
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



252, 227, 255



199, 240, 196



201, 224, 255

Square

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



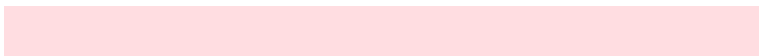
199, 240, 196



183, 216, 247



226, 232, 255



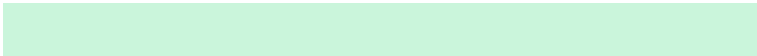
255, 221, 225

Rectangle

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



199, 240, 196



202, 233, 245



226, 232, 255



255, 223, 252

Sweetspot

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



199, 240, 196



241, 255, 240



240, 196, 199



120, 128, 119



0, 0, 0



128, 128, 128

Same Dimension

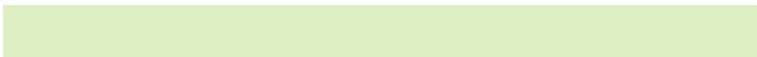
The Same Dimension uses a secret algorithm to generate beautiful new colors.



199, 240, 196



203, 255, 199



196, 240, 215



109, 120, 108



13, 184, 0



3, 56, 0

Inverse Universe

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



196, 199, 240



199, 202, 255



215, 196, 240



108, 109, 120



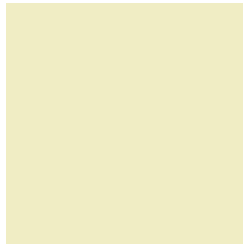
0, 11, 184



0, 4, 56

Previews

White Background



This preview shows how the RYB color 199, 240, 196 looks on a white background.

Color Contrast Check

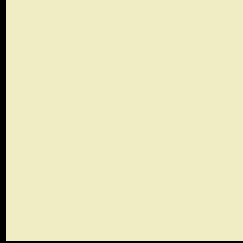
Large Text (above 18pt) WCAG AA × Fail

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 199, 240, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

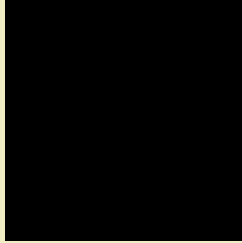
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

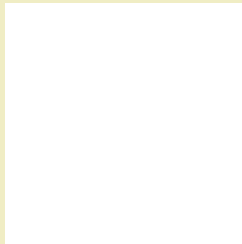
Any Text WCAG AAA ✓ Pass

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

RYP 199, 240, 196 Background



This preview shows how black text looks on a background with the RYB color 199, 240, 196.

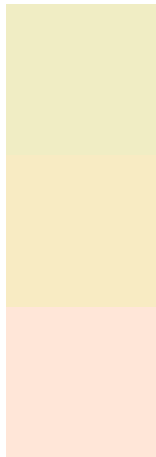


This preview shows how white text looks on a background with the RYB color 199, 240, 196.

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
199, 240, 196

Protanopia
212, 248, 195

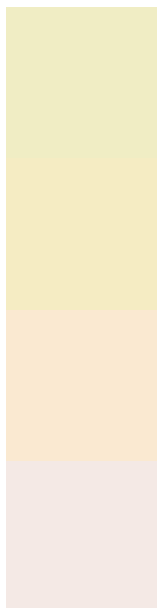
Deuteranopia
255, 238, 216



Tritanopia

247, 230, 248

Trichromacy



Original Color

199, 240, 196

Protanomaly

206, 245, 195

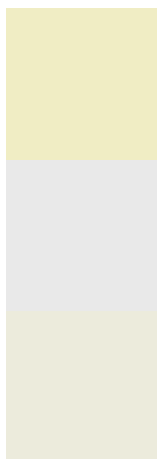
Deuteranomaly

238, 250, 209

Tritanomaly

244, 234, 229

Monochromacy



Original Color

199, 240, 196

Achromatopsia

233, 233, 233

Achromatomaly

221, 236, 220

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 240, 196 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(240, 237, 196)` looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 196)  
}
```

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(240, 237, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 196) }
```

Border

The CSS property to change the border of an element to RYB 199, 240, 196 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(240, 237, 196) }
```

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

```
.border{ border-color:rgb(240, 237, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(240, 237, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(240, 237, 196); box-shadow:4px 4px 4px 4px rgb(240, 237, 196) }
```

Background

The CSS property to change the background color of an element to RYB 199, 240, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 196) }
```

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

```
.background{ background-color: rgb(240,  
237, 196) }
```

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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