

Converting Colors

`RYB(199, 240, 169)`

Have a look what the booklet for
RYB(199, 240, 169) contains.

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Color

RYB(199, 240, 169)

Conversions

Conversions Part 1

Format	Color
Hex	F0DBA9
RGB	240, 219, 169
RGB Percent	94%, 86%, 66%
CMY	0.0588, 0.1415, 0.3373
CMYK	0.00, 0.09, 0.30, 0.06
HSL	42°, 70%, 80%
HSV	42°, 30%, 94%
XYZ	68.4049, 72.0064, 47.8294
YIQ	219.5790, 28.5660, -11.0980

Conversions

Conversions Part 2

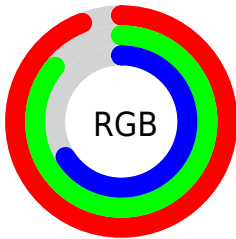
Format	Color
R _Y B	199, 240, 169
Decimal	15784873
CIE Lab	87.97, -0.08, 27.23
CIE LCh	88, 27.227, 90.161
Yxy	72.0064, 0.3634, 0.3825
Android (android.graphics.Color)	4293974953 (0xFFFF0DBA9)
YUV	219.5790, -24.9354, 17.9092
Hunter-Lab	84.8566, -4.6060, 25.9808

Details

The RYB color **199, 240, 169** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **169, 185, 240**, and the grayscale version is **220, 220, 220**.

A 20% lighter version of the original color is **224, 255, 224**, and **144, 183, 117** is the 20% darker color. If you saturate the color by 10%, you get **185, 240, 145**, and if you desaturate by 10%, it is **213, 240, 193**.

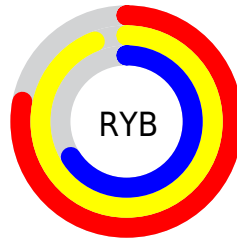
Distribution



Red (94%)

Green (86%)

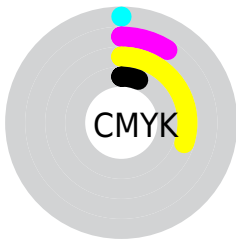
Blue (66%)



Red (78%)

Yellow (94%)

Blue (66%)

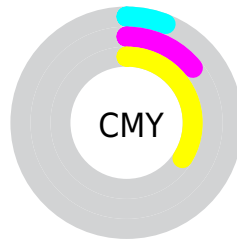


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (6%)



Cyan (6%)

Magenta (14%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 199, 240, 169 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, 169 by changing the saturation by 10% instead.

 199, 240, 169

255, 255, 255

 224, 255, 224


253, 255, 253

 199, 240, 169


 170, 211, 142

 144, 183, 117


 117, 156, 92

 92, 129, 68

 65, 103, 45

 39, 78, 22

 14, 54, 0

 11, 31, 0

 0, 0, 0

 199, 240, 169

 199, 240, 169

 185, 240, 145


 213, 240, 193

 171, 240, 121


 227, 240, 217

 156, 240, 97

 240, 240, 241

 144, 240, 73


 240, 245, 255

 130, 240, 49

 240, 248, 255

 116, 240, 25

 102, 240, 1

 101, 240, 0

Harmonies

Analogous

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



255, 234, 177



199, 240, 169



175, 227, 190

Triad

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



199, 240, 169



147, 194, 246



254, 206, 247

Complementary

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



199, 240, 169



169, 185, 240

Split Complementary

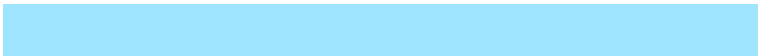
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



225, 214, 255



199, 240, 169



160, 200, 255

Square

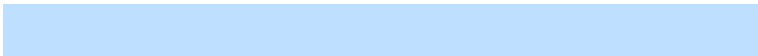
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



199, 240, 169



157, 200, 235



190, 212, 255



255, 202, 221

Rectangle

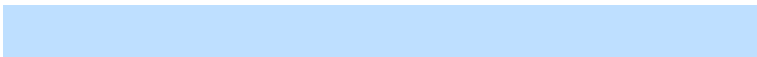
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



199, 240, 169



187, 231, 226



190, 212, 255



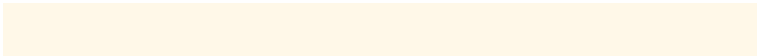
246, 208, 254

Sweetspot

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



199, 240, 169



242, 255, 232



240, 169, 190



121, 128, 113



0, 0, 0



128, 128, 128

Same Dimension

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



199, 240, 169



201, 255, 163



169, 240, 183



114, 120, 108



78, 184, 0



24, 56, 0

Inverse Universe

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



169, 185, 240



163, 184, 255



183, 169, 240



108, 110, 120



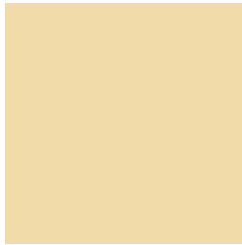
0, 42, 184



0, 13, 56

Previews

White Background



This preview shows how the RYB color 199, 240, 169 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, 169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

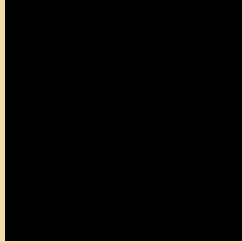
Any Text WCAG AA ✓ Pass

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 199, 240, 169 Background



This preview shows how black text looks on a background with the RYB color 199, 240, 169.



This preview shows how white text looks on a background with the RYB color 199, 240, 169.

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, 169

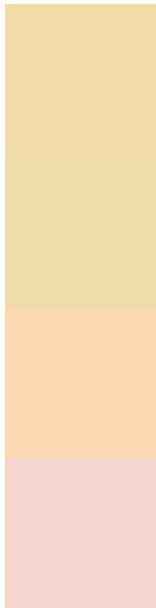
Protanopia
191, 236, 170

Deuteranopia
255, 244, 177



Tritanopia
247, 211, 228

Trichromacy



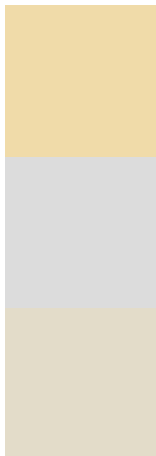
Original Color
199, 240, 169

Protanomaly
193, 237, 170

Deuteranomaly
239, 250, 174

Tritanomaly
244, 216, 207

Monochromacy



Original Color
199, 240, 169

Achromatopsia
220, 220, 220

Achromatomaly
211, 227, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 199, 240, 169 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, 219, 169) looks like.

```
.text, #text, p{  
    color:rgb(240, 219, 169)  
}
```

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, 219, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 219, 169) }
```

Border

The CSS property to change the border of an element to RYB 199, 240, 169 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, 219, 169) }
```

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

```
.border{ border-color:rgb(240, 219, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 219, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 219, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 219, 169);  
box-shadow:4px 4px 4px 4px rgb(240, 219,  
169) }
```

Background

The CSS property to change the background color of an element to RYB 199, 240, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 219, 169) }
```

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

```
.background{ background-color: rgb(240,  
219, 169) }
```

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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