

Converting Colors

`RYB(186, 240, 151)`

Have a look what the booklet for
RYB(186, 240, 151) contains.

RYB(186, 240, 151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(186, 240, 151)

Conversions

Conversions Part 1

Format	Color
Hex	F0D797
RGB	240, 215, 151
RGB Percent	94%, 84%, 59%
CMY	0.0588, 0.1573, 0.4078
CMYK	0.00, 0.10, 0.37, 0.06
HSL	43°, 75%, 77%
HSV	43°, 37%, 94%
XYZ	65.7907, 69.2989, 39.1866
YIQ	215.1790, 35.4440, -14.6040

Conversions

Conversions Part 2

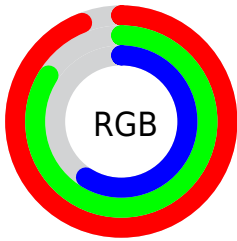
Format	Color
RYB	186, 240, 151
Decimal	15783831
CIELab	86.65, -0.17, 34.72
CIElCh	87, 34.724, 90.280
Yxy	69.2989, 0.3775, 0.3976
Android (android.graphics.Color)	4293973911 (0xFFFF0D797)
YUV	215.1790, -31.6402, 21.7680
Hunter-Lab	83.2460, -4.6088, 30.3624

Details

The RYB color **186, 240, 151** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **151, 171, 240**, and the grayscale version is **215, 215, 215**.

A 20% lighter version of the original color is **206, 255, 206**, and **131, 183, 99** is the 20% darker color. If you saturate the color by 10%, you get **172, 240, 127**, and if you desaturate by 10%, it is **200, 240, 175**.

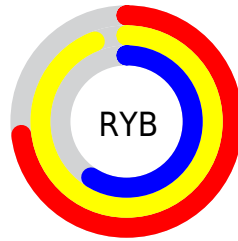
Distribution



Red (94%)

Green (84%)

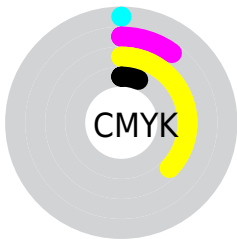
Blue (59%)



Red (73%)

Yellow (94%)

Blue (59%)

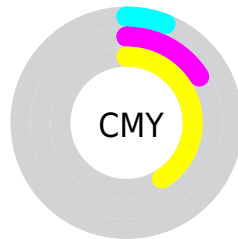


Cyan (0%)

Magenta (10%)

Yellow (37%)

Black (6%)



Cyan (6%)

Magenta (16%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 186, 240, 151 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 186, 240, 151 by changing the saturation by 10% instead.

 186, 240, 151


255, 255, 255


 206, 255, 206


 234, 255, 234

 186, 240, 151

 158, 211, 125

 131, 183, 99

 103, 155, 75

 76, 128, 51

 49, 102, 27

 20, 76, 3

 16, 52, 0

 9, 27, 0

 0, 0, 0

■ 186, 240, 151

■ 186, 240, 151

■ 172, 240, 127

■ 200, 240, 175

■ 158, 240, 103

■ 216, 240, 199

■ 141, 240, 79

■ 230, 240, 223

■ 127, 240, 55

■ 240, 242, 247

■ 113, 240, 31

■ 240, 246, 255

■ 99, 240, 7

■ 240, 248, 255

■ 95, 240, 0

Harmonies

Analogous

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



255, 240, 161



186, 240, 151



159, 225, 179

Triad

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



186, 240, 151



113, 177, 249



255, 198, 250

Complementary

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



186, 240, 151



151, 171, 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.



222, 208, 255



186, 240, 151



131, 186, 255

Square

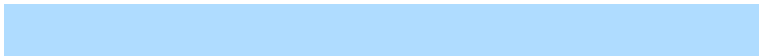
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



186, 240, 151



131, 188, 235



175, 204, 255



255, 193, 218

Rectangle

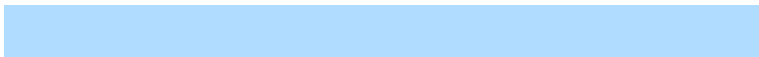
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



186, 240, 151



174, 230, 224



175, 204, 255



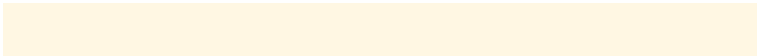
249, 201, 255

Sweetspot

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



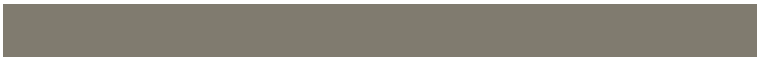
186, 240, 151



238, 255, 227



240, 151, 176



118, 128, 111



0, 0, 0



128, 128, 128

Same Dimension

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



186, 240, 151



184, 255, 140



151, 240, 170



114, 120, 108



72, 184, 0



22, 56, 0

Inverse Universe

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



151, 171, 240



140, 166, 255



170, 151, 240



108, 110, 120



0, 41, 184



0, 12, 56

Previews

White Background



This preview shows how the RYB color 186, 240, 151 looks on a white background.

Color Contrast Check

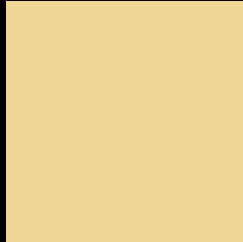
Large Text (above 18pt) WCAG AA × Fail

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 186, 240, 151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

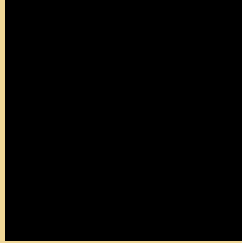
Any Text WCAG AA ✓ Pass

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 186, 240, 151 Background



This preview shows how black text looks on a background with the RYB color 186, 240, 151.

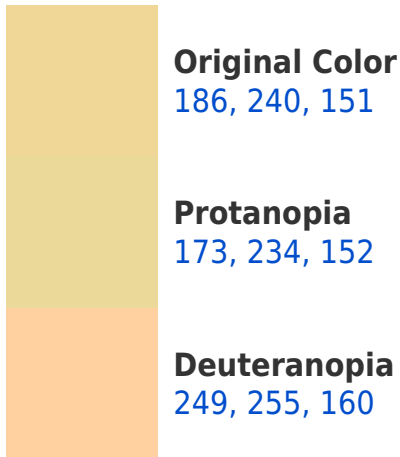


This preview shows how white text looks on a background with the RYB color 186, 240, 151.

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](#).

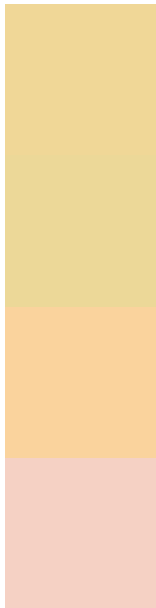
Dichromacy





Tritanopia
248, 206, 222

Trichromacy



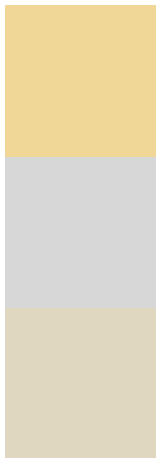
Original Color
186, 240, 151

Protanomaly
178, 236, 152

Deuteranomaly
224, 250, 157

Tritanomaly
245, 214, 196

Monochromacy



Original Color
186, 240, 151

Achromatopsia
215, 215, 215

Achromatomaly
205, 224, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 186, 240, 151 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, 215, 151) looks like.

```
.text, #text, p{  
    color:rgb(240, 215, 151)  
}
```

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, 215, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 215, 151) }
```

Border

The CSS property to change the border of an element to RYB 186, 240, 151 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, 215, 151) }
```

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

```
.border{ border-color:rgb(240, 215, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 215, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 215, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 215, 151);  
box-shadow:4px 4px 4px 4px rgb(240, 215,  
151) }
```

Background

The CSS property to change the background color of an element to RYB 186, 240, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 215, 151) }
```

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

```
.background{ background-color: rgb(240,  
215, 151) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor