

Converting Colors

`RYB(240, 240, 118)`

Have a look what the booklet for
RYB(240, 240, 118) contains.

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Color

$\text{RYB}(240, 240, 118)$

Conversions

Conversions Part 1

Format	Color
Hex	F0B376
RGB	240, 179, 118
RGB Percent	94%, 70%, 46%
CMY	0.0588, 0.2980, 0.5373
CMYK	0.00, 0.25, 0.51, 0.06
HSL	30°, 80%, 70%
HSV	30°, 51%, 94%
XYZ	55.3253, 52.0735, 24.2748
YIQ	190.2850, 55.9370, -6.0390

Conversions

Conversions Part 2

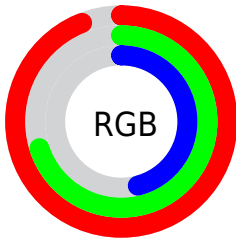
Format	Color
R _Y B	240, 240, 118
Decimal	15774582
CIE Lab	77.32, 15.21, 39.63
CIE LCh	77, 42.452, 68.999
Yxy	52.0735, 0.4202, 0.3955
Android (android.graphics.Color)	4293964662 (0xFFFF0B376)
YUV	190.2850, -35.6365, 43.6001
Hunter-Lab	72.1619, 10.5694, 30.5686

Details

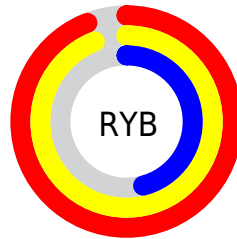
The RYB color **240, 240, 118** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **118, 159, 240**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **197, 255, 171**, and **175, 181, 68** is the 20% darker color. If you saturate the color by 10%, you get **240, 240, 94**, and if you desaturate by 10%, it is **240, 240, 142**.

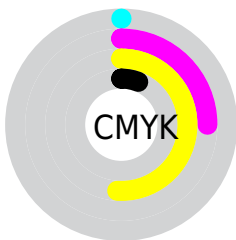
Distribution



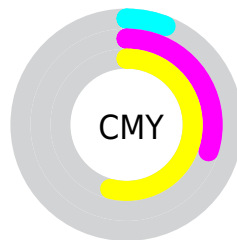
- Red (94%)
- Green (70%)
- Blue (46%)



- Red (94%)
- Yellow (94%)
- Blue (46%)



- Cyan (0%)
- Magenta (25%)
- Yellow (51%)
- Black (6%)



- Cyan (6%)
- Magenta (30%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 240, 118 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 240, 240, 118 by changing the saturation by 10% instead.

 240, 240, 118

 240, 240, 118


255, 255, 255

 208, 210, 93


 197, 255, 171

 175, 181, 68


 199, 255, 199

 143, 153, 44

 227, 255, 227

 108, 125, 20

 77, 97, 0

 71, 62, 0


 45, 16, 0

 10, 0, 0


 0, 0, 0

 240, 240, 118


 240, 240, 118

 240, 240, 94


 240, 240, 142

 240, 240, 70

 240, 240, 166

 240, 240, 46

 240, 240, 190

 240, 240, 22

 240, 240, 214

 240, 240, 0

 240, 240, 238

 240, 246, 255

 240, 248, 255

Harmonies

Analogous

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



255, 172, 143



240, 240, 118



127, 205, 112

Triad

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



240, 240, 118



51, 134, 212



211, 176, 252

Complementary

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



240, 240, 118



118, 159, 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.



153, 181, 255



240, 240, 118



0, 112, 239

Square

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



240, 240, 118



113, 178, 210



80, 152, 255



250, 164, 220

Rectangle

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



240, 240, 118



121, 200, 144



80, 152, 255



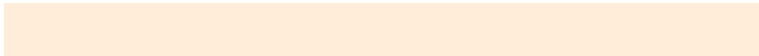
193, 181, 255

Sweetspot

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



240, 240, 118



255, 255, 217



240, 118, 179



128, 126, 105



0, 0, 0



128, 128, 128

Same Dimension

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



240, 240, 118



255, 255, 99



120, 240, 118



120, 120, 108



184, 184, 0



56, 56, 0

Inverse Universe

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



118, 159, 240



99, 151, 255



118, 118, 240



108, 112, 120



0, 61, 184



0, 19, 56

Previews

White Background



This preview shows how the RYB color 240, 240, 118 looks on a white background.

Color Contrast Check

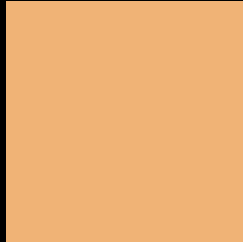
Large Text (above 18pt) WCAG AA × Fail

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 240, 240, 118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

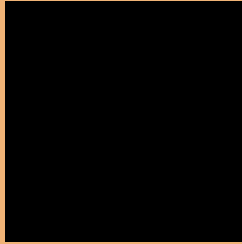
Any Text WCAG AA ✓ Pass

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 240, 240, 118 Background



This preview shows how black text looks on a background with the RYB color 240, 240, 118.



This preview shows how white text looks on a background with the RYB color 240, 240, 118.

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
240, 240, 118

Protanopia
144, 208, 123

Deuteranopia
202, 232, 117



Tritanopia
246, 171, 184

Trichromacy



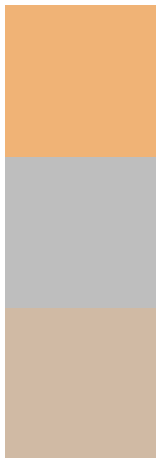
Original Color
240, 240, 118

Protanomaly
171, 220, 121

Deuteranomaly
213, 235, 117

Tritanomaly
244, 177, 160

Monochromacy



Original Color
240, 240, 118

Achromatopsia
190, 190, 190

Achromatomaly
208, 208, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 240, 118 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, 179, 118)` looks like.

```
.text, #text, p{  
    color:rgb(240, 179, 118)  
}
```

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, 179, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 179, 118) }
```

Border

The CSS property to change the border of an element to RYB 240, 240, 118 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, 179, 118) }
```

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

```
.border{ border-color:rgb(240, 179, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 179, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 179, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 179, 118);  
box-shadow:4px 4px 4px 4px rgb(240, 179,  
118) }
```

Background

The CSS property to change the background color of an element to RGB 240, 240, 118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 179, 118) }
```

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

```
.background{ background-color: rgb(240,  
179, 118) }
```

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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