

Converting Colors

`RYB(240, 242, 157)`

Have a look what the booklet for
RYB(240, 242, 157) contains.

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Color

R_YB(240, 242, 157)

Conversions

Conversions Part 1

Format	Color
Hex	F2C89D
RGB	242, 200, 157
RGB Percent	95%, 78%, 62%
CMY	0.0510, 0.2157, 0.3843
CMYK	0.00, 0.17, 0.35, 0.05
HSL	30°, 77%, 78%
HSV	30°, 35%, 95%
XYZ	63.3594, 62.6229, 40.6463
YIQ	207.6560, 38.8350, -4.4690

Conversions

Conversions Part 2

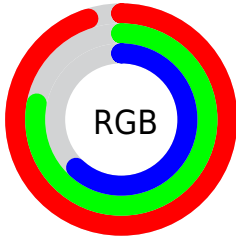
Format	Color
RYB	240, 242, 157
Decimal	15911069
CIELab	83.24, 9.00, 27.10
CIELCh	83, 28.559, 71.622
Yxy	62.6229, 0.3802, 0.3758
Android (android.graphics.Color)	4294101149 (0xFFFF2C89D)
YUV	207.6560, -24.9734, 30.1197
Hunter-Lab	79.1346, 4.4311, 24.9408

Details

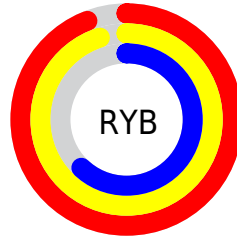
The RYB color **240, 242, 157** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **157, 185, 242**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is **212, 255, 212**, and **181, 185, 105** is the 20% darker color. If you saturate the color by 10%, you get **240, 242, 133**, and if you desaturate by 10%, it is **240, 242, 181**.

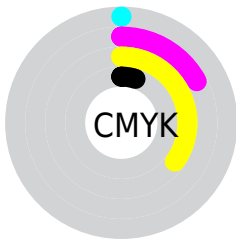
Distribution



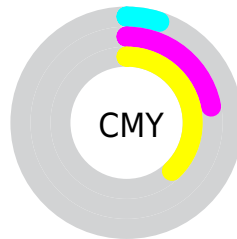
- Red (95%)
- Green (78%)
- Blue (62%)



- Red (94%)
- Yellow (95%)
- Blue (62%)



- Cyan (0%)
- Magenta (17%)
- Yellow (35%)
- Black (5%)



- Cyan (5%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 242, 157 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, 242, 157 by changing the saturation by 10% instead.


 240, 242, 157

 240, 242, 157


255, 255, 255


 209, 213, 131

 212, 255, 212

 181, 185, 105

 240, 255, 240

 153, 157, 81

 121, 130, 57

 92, 103, 35

 62, 78, 13

 47, 53, 0

 30, 5, 0

 0, 0, 0

 240, 242, 157

 240, 242, 157

 240, 242, 133


 240, 242, 181

 240, 242, 109


 240, 242, 205

 238, 242, 84

 242, 242, 230

 238, 242, 60

 242, 246, 254

 238, 242, 36

 242, 249, 255

 238, 242, 12

 238, 242, 0

Harmonies

Analogous

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



255, 198, 173



240, 242, 157



164, 217, 155

Triad

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



240, 242, 157



134, 180, 223



225, 197, 248

Complementary

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



240, 242, 157



157, 185, 242

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.



189, 203, 255



240, 242, 157



131, 180, 242

Square

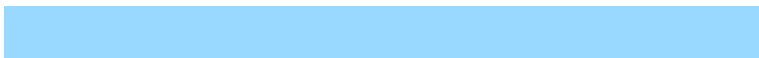
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



240, 242, 157



156, 199, 221



153, 192, 255



250, 190, 225

Rectangle

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



240, 242, 157



161, 214, 178



153, 192, 255



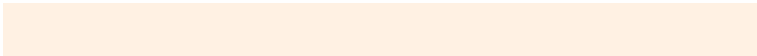
214, 200, 253

Sweetspot

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



240, 242, 157



255, 255, 227



242, 157, 199



128, 126, 111



0, 0, 0



128, 128, 128

Same Dimension

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



240, 242, 157



253, 255, 148



157, 242, 157



120, 120, 108



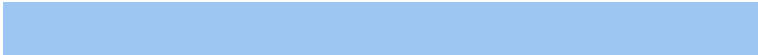
180, 184, 0



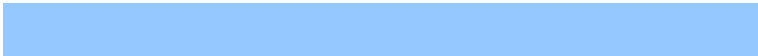
56, 56, 0

Inverse Universe

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



157, 185, 242



148, 183, 255



157, 157, 242



108, 112, 120



0, 61, 184



0, 19, 56

Previews

White Background



This preview shows how the RYB color 240, 242, 157 looks on a white background.

Color Contrast Check

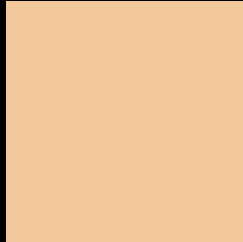
Large Text (above 18pt) WCAG AA × Fail

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, 242, 157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

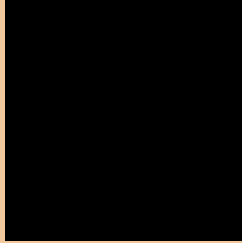
Any Text WCAG AA ✓ Pass

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, 242, 157 Background



This preview shows how black text looks on a background with the RYB color 240, 242, 157.



This preview shows how white text looks on a background with the RYB color 240, 242, 157.

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, 242, 157

Protanopia
180, 222, 160

Deuteranopia
244, 238, 157



Tritanopia
247, 193, 208

Trichromacy



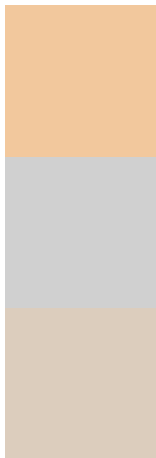
Original Color
240, 242, 157

Protanomaly
198, 229, 159

Deuteranomaly
243, 239, 157

Tritanomaly
245, 197, 189

Monochromacy



Original Color
240, 242, 157

Achromatopsia
208, 208, 208

Achromatomaly
218, 220, 189

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 242, 157 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(242, 200, 157) looks like.

```
.text, #text, p{  
    color:rgb(242, 200, 157)  
}
```

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(242, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 200, 157) }
```

Border

The CSS property to change the border of an element to RYB 240, 242, 157 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(242, 200, 157) }
```

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

```
.border{ border-color:rgb(242, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(242, 200,  
157) }
```

Background

The CSS property to change the background color of an element to RYB 240, 242, 157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 200, 157) }
```

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

```
.background{ background-color: rgb(242,  
200, 157) }
```

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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