

Converting Colors

`RYB(242, 240, 115)`

Have a look what the booklet for
RYB(242, 240, 115) contains.

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Color

R_YB(242, 240, 115)

Conversions

Conversions Part 1

Format	Color
Hex	F2B273
RGB	242, 178, 115
RGB Percent	95%, 70%, 45%
CMY	0.0510, 0.3020, 0.5490
CMYK	0.00, 0.26, 0.52, 0.05
HSL	30°, 83%, 70%
HSV	30°, 52%, 95%
XYZ	55.6321, 51.9543, 23.3157
YIQ	189.9540, 58.3670, -6.0250

Conversions

Conversions Part 2

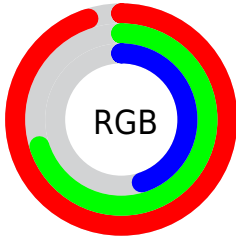
Format	Color
R _Y B	242, 240, 115
Decimal	15905395
CIE Lab	77.25, 16.29, 41.13
CIE LCh	77, 44.237, 68.390
Yxy	51.9543, 0.4250, 0.3969
Android (android.graphics.Color)	4294095475 (0xFFF2B273)
YUV	189.9540, -36.9523, 45.6443
Hunter-Lab	72.0793, 11.6306, 31.2768

Details

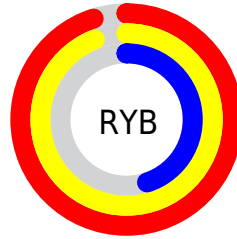
The RYB color **242, 240, 115** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **115, 158, 242**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **196, 255, 168**, and **179, 183, 65** is the 20% darker color. If you saturate the color by 10%, you get **242, 240, 91**, and if you desaturate by 10%, it is **242, 240, 139**.

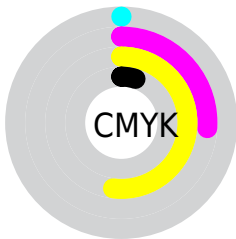
Distribution



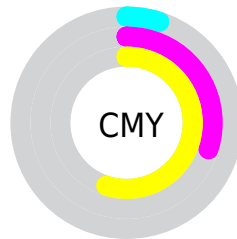
- Red (95%)
- Green (70%)
- Blue (45%)



- Red (95%)
- Yellow (94%)
- Blue (45%)



- Cyan (0%)
- Magenta (26%)
- Yellow (52%)
- Black (5%)



















- Cyan (5%)
- Magenta (30%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the RYB color 242, 240, 115 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 242, 240, 115 by changing the saturation by 10% instead.


 242, 240, 115	 242, 240, 115
 255, 255, 255	 212, 212, 90
 196, 255, 168	 179, 183, 65
 196, 255, 196	 144, 154, 41
 224, 255, 224	 108, 126, 16
 253, 255, 253	 86, 99, 0
	 72, 58, 0
	 45, 15, 0
	 12, 0, 0
	 0, 0, 0

 242, 240, 115


 242, 240, 115

 242, 240, 91


 242, 240, 139

 242, 240, 67

 242, 240, 163

 242, 238, 42

 242, 242, 188

 242, 238, 18

 242, 242, 212

 242, 238, 0

 242, 242, 236

 242, 247, 255

 242, 249, 255

Harmonies

Analogous

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



255, 171, 142



242, 240, 115



124, 206, 108

Triad

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



242, 240, 115



34, 127, 213



210, 176, 255

Complementary

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



242, 240, 115



115, 158, 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.



149, 179, 255



242, 240, 115



0, 112, 240

Square

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



242, 240, 115



109, 177, 210



67, 146, 255



251, 163, 222

Rectangle

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



242, 240, 115



117, 200, 140



67, 146, 255



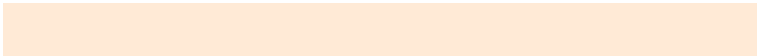
192, 181, 255

Sweetspot

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



242, 240, 115



255, 253, 214



242, 115, 181



128, 126, 103



0, 0, 0



128, 128, 128

Same Dimension

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



242, 240, 115



255, 253, 94



117, 242, 115



120, 120, 108



184, 180, 0



56, 56, 0

Inverse Universe

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



115, 158, 242



94, 148, 255



115, 117, 242



108, 112, 120



0, 62, 184



0, 19, 56

Previews

White Background



This preview shows how the RYB color 242, 240, 115 looks on a white background.

Color Contrast Check

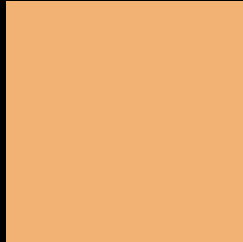
Large Text (above 18pt) WCAG AA × Fail

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 242, 240, 115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

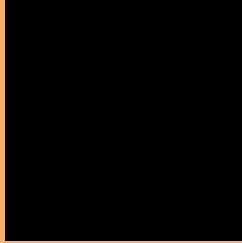
Any Text WCAG AA ✓ Pass

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 242, 240, 115 Background



This preview shows how black text looks on a background with the RYB color 242, 240, 115.



This preview shows how white text looks on a background with the RYB color 242, 240, 115.

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
242, 240, 115

Protanopia
141, 208, 120

Deuteranopia
201, 232, 114



Tritanopia
248, 170, 183

Trichromacy



Original Color

242, 240, 115

Protanomaly

169, 220, 118

Deuteranomaly

214, 236, 114

Tritanomaly

246, 176, 158

Monochromacy



Original Color

242, 240, 115

Achromatopsia

190, 190, 190

Achromatomaly

209, 209, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 240, 115 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, 178, 115)` looks like.

```
.text, #text, p{  
    color:rgb(242, 178, 115)  
}
```

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, 178, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 178, 115) }
```

Border

The CSS property to change the border of an element to RYB 242, 240, 115 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, 178, 115) }
```

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

```
.border{ border-color:rgb(242, 178, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 178, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 178, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 178, 115);  
box-shadow:4px 4px 4px 4px rgb(242, 178,  
115) }
```

Background

The CSS property to change the background color of an element to RGB 242, 240, 115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 178, 115) }
```

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

```
.background{ background-color: rgb(242,  
178, 115) }
```

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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