

Converting Colors

`RYB(240, 218, 110)`

Have a look what the booklet for
RYB(240, 218, 110) contains.

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Color

R_YB(240, 218, 110)

Conversions

Conversions Part 1

Format	Color
Hex	F0A96E
RGB	240, 169, 110
RGB Percent	94%, 66%, 43%
CMY	0.0588, 0.3373, 0.5686
CMYK	0.00, 0.30, 0.54, 0.06
HSL	27°, 81%, 69%
HSV	27°, 54%, 94%
XYZ	52.9361, 48.0239, 21.2314
YIQ	183.5030, 61.2550, -3.2970

Conversions

Conversions Part 2

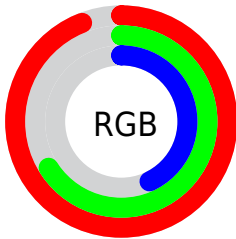
Format	Color
R_{YB}	240, 218, 110
Decimal	15772014
CIE Lab	74.84, 19.83, 40.64
CIE LCh	75, 45.222, 63.997
Yxy	48.0239, 0.4332, 0.3930
Android (android.graphics.Color)	4293962094 (0xFFFF0A96E)
YUV	183.5030, -36.2370, 49.5479
Hunter-Lab	69.2993, 15.0782, 30.3447

Details

The RYB color **240, 218, 110** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **110, 156, 240**, and the grayscale version is **184, 184, 184**.

A 20% lighter version of the original color is **210, 255, 163**, and **181, 166, 61** is the 20% darker color. If you saturate the color by 10%, you get **240, 214, 86**, and if you desaturate by 10%, it is **240, 222, 134**.

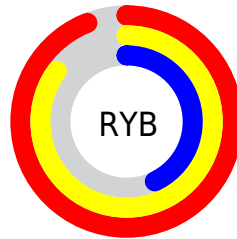
Distribution



Red (94%)

Green (66%)

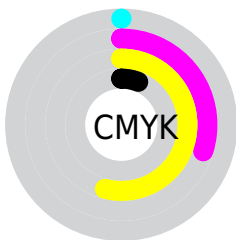
Blue (43%)



Red (94%)

Yellow (85%)

Blue (43%)

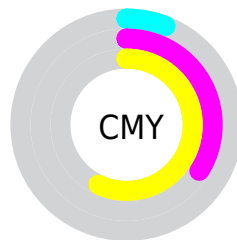


Cyan (0%)

Magenta (30%)

Yellow (54%)

Black (6%)



Cyan (6%)

Magenta (34%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 218, 110 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, 218, 110 by changing the saturation by 10% instead.


 240, 218, 110

 240, 218, 110

255, 255, 255

 210, 190, 85


 210, 255, 163

 181, 166, 61

 192, 255, 190

 152, 142, 37

 218, 255, 218

 121, 123, 12

 247, 255, 247

 96, 85, 0

 69, 37, 0

 43, 1, 0

 0, 0, 0

 240, 218, 110

 240, 218, 110

240, 214, 86

240, 222, 134

240, 211, 62

240, 225, 158

240, 207, 38

240, 229, 182

240, 203, 14

240, 233, 206

240, 200, 0

240, 240, 230

240, 245, 254

240, 248, 255

Harmonies

Analogous

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



255, 159, 140



240, 218, 110



126, 205, 100

Triad

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



240, 218, 110



25, 120, 206



196, 171, 253

Complementary

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



240, 218, 110



110, 156, 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.



129, 169, 255



240, 218, 110



0, 108, 229

Square

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



240, 218, 110



109, 176, 203



19, 121, 255



241, 157, 221

Rectangle

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



240, 218, 110



106, 192, 121



19, 121, 255



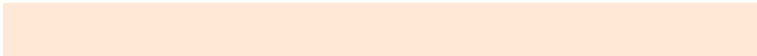
176, 177, 255

Sweetspot

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



240, 218, 110



255, 249, 214



240, 110, 181



128, 123, 103



0, 0, 0



128, 128, 128

Same Dimension

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



240, 218, 110



255, 226, 89



117, 240, 110



120, 117, 108



184, 151, 0



56, 45, 0

Inverse Universe

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



110, 156, 240



89, 148, 255



110, 116, 240



108, 112, 120



0, 65, 184



0, 20, 56

Previews

White Background



This preview shows how the RYB color 240, 218, 110 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, 218, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

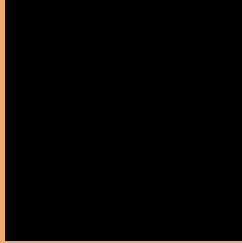
Any Text WCAG AA ✓ Pass

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, 218, 110 Background



This preview shows how black text looks on a background with the RYB color 240, 218, 110.

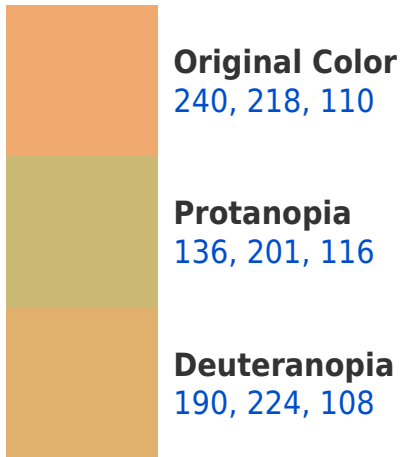



This preview shows how white text looks on a background with the RYB color 240, 218, 110.

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
245, 161, 173

Trichromacy



Original Color
240, 218, 110

Protanomaly
170, 215, 114

Deuteranomaly
217, 230, 109

Tritanomaly
243, 166, 150

Monochromacy



Original Color
240, 218, 110

Achromatopsia
183, 183, 183

Achromatomaly
204, 197, 156

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 218, 110 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, 169, 110)` looks like.

```
.text, #text, p{  
    color:rgb(240, 169, 110)  
}
```

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, 169, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 169, 110) }
```

Border

The CSS property to change the border of an element to RYB 240, 218, 110 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, 169, 110) }
```

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

```
.border{ border-color:rgb(240, 169, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 169, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 169, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 169, 110);  
box-shadow:4px 4px 4px 4px rgb(240, 169,  
110) }
```

Background

The CSS property to change the background color of an element to RYB 240, 218, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 169, 110) }
```

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

```
.background{ background-color: rgb(240,  
169, 110) }
```

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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