

Converting Colors

`RYB(240, 189, 120)`

Have a look what the booklet for
RYB(240, 189, 120) contains.

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Color

R_YB(240, 189, 120)

Conversions

Conversions Part 1

Format	Color
Hex	F0A478
RGB	240, 164, 120
RGB Percent	94%, 64%, 47%
CMY	0.0588, 0.3576, 0.5294
CMYK	0.00, 0.32, 0.50, 0.06
HSL	22°, 80%, 71%
HSV	22°, 50%, 94%
XYZ	52.5667, 46.3641, 23.9479
YIQ	181.7080, 59.4200, 2.4280

Conversions

Conversions Part 2

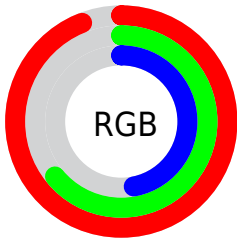
Format	Color
R _Y B	240, 189, 120
Decimal	15770744
CIE Lab	73.78, 23.43, 34.07
CIE LCh	74, 41.349, 55.482
Yxy	46.3641, 0.4278, 0.3773
Android (android.graphics.Color)	4293960824 (0xFFFF0A478)
YUV	181.7080, -30.4220, 51.1221
Hunter-Lab	68.0912, 18.6433, 26.8114

Details

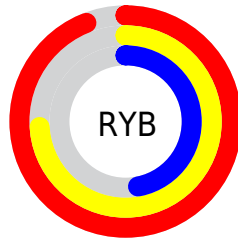
The RYB color **240, 189, 120** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **120, 167, 240**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **237, 255, 173**, and **181, 136, 71** is the 20% darker color. If you saturate the color by 10%, you get **240, 180, 96**, and if you desaturate by 10%, it is **240, 199, 144**.

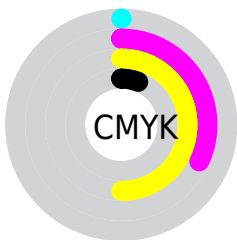
Distribution



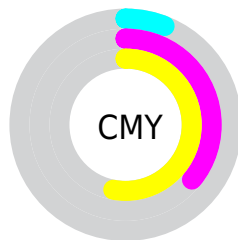
- Red (94%)
- Green (64%)
- Blue (47%)



- Red (94%)
- Yellow (74%)
- Blue (47%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (6%)





- Cyan (6%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the RYB color 240, 189, 120 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, 189, 120 by changing the saturation by 10% instead.


 240, 189, 120

 240, 189, 120

255, 255, 255

 210, 161, 95

 237, 255, 173

 181, 136, 71

 208, 255, 200

 152, 112, 47

 229, 255, 229

 124, 87, 25


 96, 69, 0

 69, 24, 0


 44, 0, 0


 0, 0, 0

 240, 189, 120


 240, 189, 120

 240, 180, 96


 240, 199, 144

 240, 168, 72

 240, 209, 168

 240, 158, 48

 240, 221, 192

 240, 149, 24

 240, 230, 216

 240, 139, 0

 240, 240, 240

 240, 248, 255

Harmonies

Analogous

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



254, 154, 151



240, 189, 120



155, 211, 105

Triad

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



240, 189, 120



75, 146, 201



177, 174, 250

Complementary

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



240, 189, 120



120, 167, 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.



114, 162, 255



240, 189, 120



0, 103, 213

Square

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



240, 189, 120



128, 189, 197



32, 124, 243



224, 160, 225

Rectangle

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



240, 189, 120



108, 186, 107



32, 124, 243



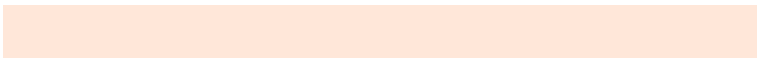
158, 175, 254

Sweetspot

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



240, 189, 120



255, 239, 217



240, 120, 198



128, 117, 105



0, 0, 0



128, 128, 128

Same Dimension

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



240, 189, 120



255, 190, 102



141, 240, 120



120, 114, 108



184, 105, 0



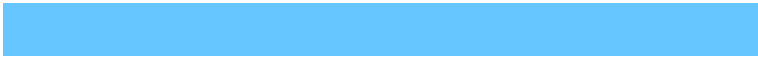
56, 31, 0

Inverse Universe

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



120, 167, 240



102, 161, 255



120, 136, 240



108, 112, 120



0, 72, 184



0, 22, 56

Previews

White Background



This preview shows how the RYB color 240, 189, 120 looks on a white background.

Color Contrast Check

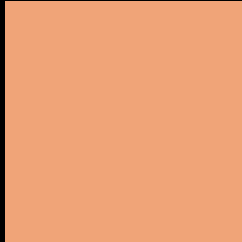
Large Text (above 18pt) WCAG AA × Fail

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, 189, 120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

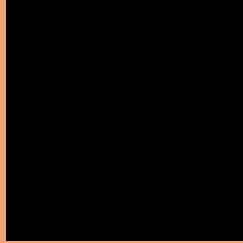
Any Text WCAG AA ✓ Pass

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, 189, 120 Background



This preview shows how black text looks on a background with the RYB color 240, 189, 120.



This preview shows how white text looks on a background with the RYB color 240, 189, 120.

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, 189, 120

Protanopia
145, 196, 127

Deuteranopia
199, 219, 118



Tritanopia
244, 157, 169

Trichromacy



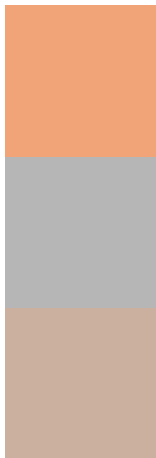
Original Color
240, 189, 120

Protanomaly
188, 212, 124

Deuteranomaly
227, 216, 119

Tritanomaly
243, 160, 151

Monochromacy



Original Color
240, 189, 120

Achromatopsia
182, 182, 182

Achromatomaly
203, 184, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 240, 189, 120 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, 164, 120)` looks like.

```
.text, #text, p{  
    color:rgb(240, 164, 120)  
}
```

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, 164, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 164, 120) }
```

Border

The CSS property to change the border of an element to RYB 240, 189, 120 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, 164, 120) }
```

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

```
.border{ border-color:rgb(240, 164, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 164, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 164, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 164, 120);  
box-shadow:4px 4px 4px 4px rgb(240, 164,  
120) }
```

Background

The CSS property to change the background color of an element to RYB 240, 189, 120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 164, 120) }
```

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

```
.background{ background-color: rgb(240,  
164, 120) }
```

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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