

Converting Colors

`RYB(232, 171, 87)`

Have a look what the booklet for
RYB(232, 171, 87) contains.

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Color

$\text{RYB}(232, 171, 87)$

Conversions

Conversions Part 1

Format	Color
Hex	E88C57
RGB	232, 140, 87
RGB Percent	91%, 55%, 34%
CMY	0.0902, 0.4502, 0.6588
CMYK	0.00, 0.40, 0.62, 0.09
HSL	22°, 76%, 63%
HSV	22°, 62%, 91%
XYZ	44.4046, 36.6550, 13.7516
YIQ	161.4660, 71.8450, 3.0210

Conversions

Conversions Part 2

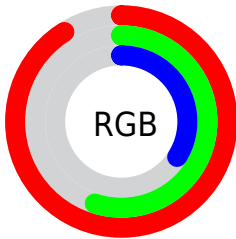
Format	Color
R _Y B	232, 171, 87
Decimal	15240279
CIE Lab	67.02, 30.14, 42.79
CIE LCh	67, 52.337, 54.842
Yxy	36.6550, 0.4683, 0.3866
Android (android.graphics.Color)	4293430359 (0xFFE88C57)
YUV	161.4660, -36.7117, 61.8583
Hunter-Lab	60.5434, 24.9670, 28.9135

Details

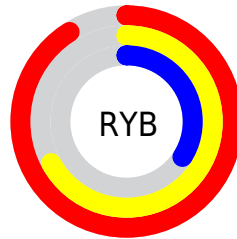
The RYB color **232, 171, 87** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **87, 143, 232**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **255, 245, 138**, and **172, 119, 39** is the 20% darker color. If you saturate the color by 10%, you get **232, 160, 64**, and if you desaturate by 10%, it is **232, 181, 110**.

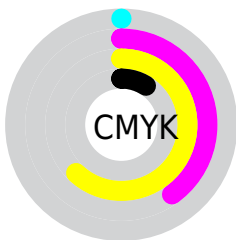
Distribution



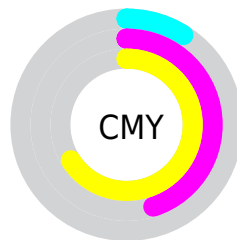
- Red (91%)
- Green (55%)
- Blue (34%)



- Red (91%)
- Yellow (67%)
- Blue (34%)



- Cyan (0%)
- Magenta (40%)
- Yellow (62%)
- Black (9%)



















- Cyan (9%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 171, 87 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 232, 171, 87 by changing the saturation by 10% instead.

 232, 171, 87	 232, 171, 87
 255, 255, 255	 202, 144, 63
 255, 245, 138	 172, 119, 39
 215, 255, 165	 142, 99, 14
 196, 255, 192	 114, 64, 0
 221, 255, 221	 85, 21, 0
 249, 255, 249	 57, 0, 0
	 31, 0, 1
	 0, 0, 0


 232, 171, 87

 232, 171, 87


 232, 160, 64

 232, 181, 110

 232, 151, 41

 232, 192, 133

 232, 142, 17

 232, 199, 157

 232, 134, 0

 232, 210, 180

 232, 221, 203

 232, 229, 226

 232, 239, 249

 232, 244, 255

Harmonies

Analogous

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



250, 126, 126



232, 171, 87



122, 197, 66

Triad

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



232, 171, 87



0, 102, 186



153, 154, 249

Complementary

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



232, 171, 87



87, 143, 232

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.



35, 119, 255



232, 171, 87



0, 97, 201

Square

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



232, 171, 87



93, 170, 182



0, 103, 239



213, 135, 218

Rectangle

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



232, 171, 87



67, 168, 67



0, 103, 239



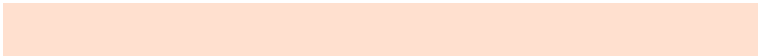
125, 153, 254

Sweetspot

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



232, 171, 87



255, 233, 207



232, 87, 179



128, 115, 98



0, 0, 0



128, 128, 128

Same Dimension

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



232, 171, 87



255, 174, 64



109, 232, 87



115, 109, 103



179, 102, 0



51, 30, 0

Inverse Universe

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



87, 143, 232



64, 138, 255



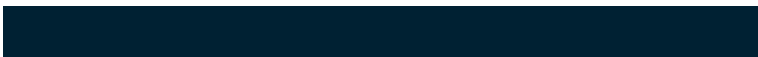
87, 104, 232



103, 108, 115



0, 69, 179



0, 20, 51

Previews

White Background



This preview shows how the RYB color 232, 171, 87 looks on a white background.

Color Contrast Check

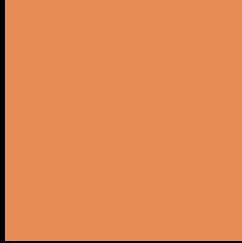
Large Text (above 18pt) WCAG AA × Fail

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 232, 171, 87 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

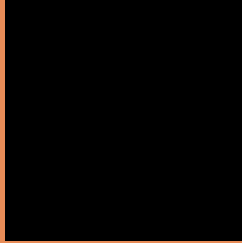
Any Text WCAG AA ✓ Pass

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 232, 171, 87 Background



This preview shows how black text looks on a background with the RYB color 232, 171, 87.



This preview shows how white text looks on a background with the RYB color 232, 171, 87.

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
232, 171, 87

Protanopia
113, 179, 95

Deuteranopia
157, 201, 84



Tritanopia
236, 133, 143

Trichromacy



Original Color

232, 171, 87

Protanomaly

164, 198, 92

Deuteranomaly

206, 212, 85

Tritanomaly

235, 138, 123

Monochromacy



Original Color

232, 171, 87

Achromatopsia

162, 162, 162

Achromatomaly

187, 165, 135

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 171, 87 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(232, 140, 87)` looks like.

```
.text, #text, p{  
    color:rgb(232, 140, 87)  
}
```

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(232, 140, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 140, 87) }
```

Border

The CSS property to change the border of an element to RYB 232, 171, 87 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(232, 140, 87) }
```

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

```
.border{ border-color:rgb(232, 140, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 140, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 140, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 140, 87);  
box-shadow:4px 4px 4px 4px rgb(232, 140,  
87) }
```

Background

The CSS property to change the background color of an element to RGB 232, 140, 87 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 140, 87) }
```

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

```
.background{ background-color: rgb(232,  
140, 87) }
```

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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