Converting Colors

RGB(242, 132, 64)

Have a look what the booklet for RGB(242, 132, 64) contains.

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Color

RGB(242, 132, 64)

Conversions

Conversions Part 1

Format	Color
Hex	F28440
RGB	242, 132, 64
RGB Percent	95%, 52%, 25%
CMY	0.0510, 0.4824, 0.7490
CMYK	0.00, 0.45, 0.74, 0.05
HSL	23°, 87%, 60%
HSV	23°, 74%, 95%
XYZ	45.7946, 35.7499, 9.3373
YIQ	157.1380, 87.3880, 2.1720

Conversions

Conversions Part 2

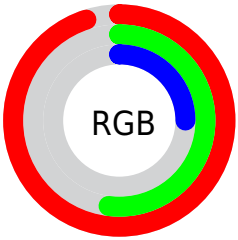
Format	Color
RYB	242, 174, 64
Decimal	15893568
CIELab	66.33, 37.11, 53.75
CIELCh	66, 65.318, 55.375
Yxy	35.7499, 0.5039, 0.3934
Android (android.graphics.Color)	4294083648 (0xFFF28440)
YUV	157.1380, -45.9170, 74.4240
Hunter-Lab	59.7913, 32.0800, 32.5949

Details

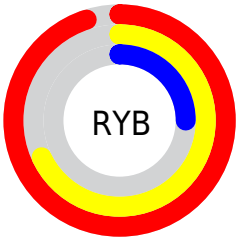
The RGB color 242, 132, 64 is a light color, and the websafe version is hex FF9966. The color can be described as light washed orange. A complement of this color would be 64, 174, 242, and the grayscale version is 158, 158, 158.

A 20% lighter version of the original color is 255, 186, 115, and 180, 80, 9 is the 20% darker color. If you saturate the color by 10%, you get 242, 117, 40, and if you desaturate by 10%, it is 242, 147, 88.

Distribution

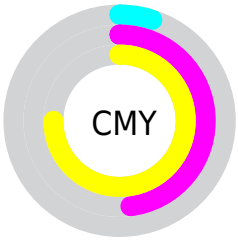


- Red (95%)
- Green (52%)
- Blue (25%)



- Red (95%)
- Yellow (68%)
- Blue (25%)

- Cyan (0%)
- Magenta (45%)
- Yellow (74%)
- Black (5%)



- Cyan (5%)
- Magenta (48%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the RGB color 242, 132, 64 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 RGB color 242, 132, 64 by changing the saturation by 10% instead.

242, 132, 64

255, 255, 255

255, 186, 115

255, 214, 142

255, 243, 169

255, 255, 197

255, 255, 225

255, 255, 254

242, 132, 64

242, 132, 64

211, 106, 39

180, 80, 9

149, 56, 0

119, 30, 0

90, 0, 0

62, 0, 0

35, 0, 1

0, 0, 0

242, 132, 64

242, 132, 64

242, 117, 40

242, 102, 16

242, 92, 0

242, 147, 88

242, 162, 112

242, 177, 137

242, 192, 161

242, 207, 185

242, 222, 209

242, 237, 233

242, 252, 255

242, 255, 255

Harmonies

Analogous

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

255, 110, 115

242, 132, 64

199, 155, 29

Triad

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

242, 132, 64

0, 188, 150

145, 150, 255

Complementary

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

242, 132, 64

64, 174, 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.

0, 171, 255

242, 132, 64

0, 189, 210

Square

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

242, 132, 64

60, 183, 91

0, 184, 255

224, 124, 229

Rectangle

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

242, 132, 64

163, 168, 32

0, 184, 255

103, 157, 255

Sweetspot

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

242, 132, 64

255, 220, 199

242, 64, 177

128, 107, 94

0, 0, 0

128, 128, 128

Same Dimension

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

242, 132, 64

255, 116, 31

242, 218, 64

120, 112, 108

184, 70, 0

56, 21, 0

Inverse Universe

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

64, 174, 242

31, 169, 255

64, 88, 242

108, 115, 120

0, 113, 184

0, 35, 56

Previews

White Background

This preview shows how the RGB color 242, 132, 64 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 RGB color 242, 132, 64 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.

RGB 242, 132, 64 Background

This preview shows how black text looks on a background with the RGB color 242, 132, 64.

This preview shows how white text looks on a background with the RGB color 242, 132, 64.

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, 132, 64

Protanopia
180, 162, 73

Deuteranopia
202, 154, 58

Tritanopia
246, 124, 133

Trichromacy

Original Color
242, 132, 64

Protanomaly
203, 151, 70

Deuteranomaly
217, 146, 60

Tritanomaly
245, 127, 108

Monochromacy

Original Color
242, 132, 64

Achromatopsia
157, 157, 157

Achromatomaly
188, 148, 123

CSS Examples

Text

The CSS property to change the color of the text to RGB 242, 132, 64 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, 132, 64) looks like.

```
.text, #text, p{
    color:rgb(242, 132, 64)
}
```

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, 132, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 132, 64) }
```

Border

The CSS property to change the border of an element to RGB 242, 132, 64 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, 132, 64) }
```

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

```
.border{ border-color:rgb(242, 132, 64) }
```

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

Here you see how a box with a 4 pixel rgb(242, 132, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 132, 64); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 132, 64); box-shadow:4px 4px 4px 4px rgb(242, 132, 64) }
```

Background

The CSS property to change the background color of an element to RGB 242, 132, 64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(242, 132, 64) }
```

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

```
.background{ background-color:rgb(242, 132, 64) }
```

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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