

Converting Colors

XYZ(44.9480, 36.6320, 12.2796)

Have a look what the booklet for
XYZ(44.9480, 36.6320, 12.2796)
contains.

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Color

**XYZ(44.9415, 36.7066,
12.3058)**

Conversions

Conversions Part 1

Format	Color
Hex	EB8B50
RGB	235, 139, 80
RGB Percent	92%, 55%, 31%
CMY	0.0784, 0.4549, 0.6863
CMYK	0.00, 0.41, 0.66, 0.08
HSL	23°, 79%, 62%
HSV	23°, 66%, 92%
XYZ	44.9415, 36.7066, 12.3058
YIQ	160.9780, 76.1550, 2.0030

Conversions

Conversions Part 2

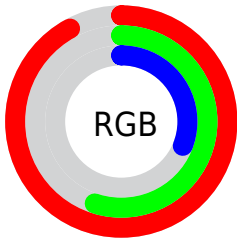
Format	Color
R _Y B	235, 175, 80
Decimal	15436624
CIE Lab	67.06, 31.53, 46.50
CIE LCh	67, 56.183, 55.864
Yxy	36.7066, 0.4783, 0.3907
Android (android.graphics.Color)	4293626704 (0xFFEB8B50)
YUV	160.9780, -39.9222, 64.9173
Hunter-Lab	60.5860, 26.3824, 30.3676

Details

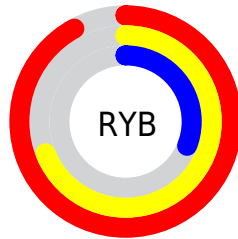
The XYZ color **44.9415, 36.7066, 12.3058** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **33.8278, 38.7519, 84.2936**, and the grayscale version is **34.0219, 35.7937, 38.9793**.

A 20% lighter version of the original color is **64.4067, 61.0386, 29.8598**, and **21.1926, 16.0770, 3.2825** is the 20% darker color. If you saturate the color by 10%, you get **42.2514, 32.4816, 7.8487**, and if you desaturate by 10%, it is **48.2174, 41.6179, 18.4561**.

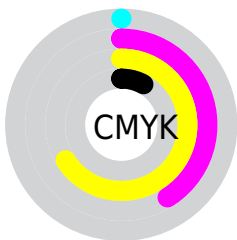
Distribution



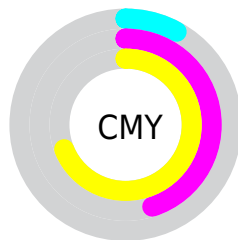
- Red (92%)
- Green (55%)
- Blue (31%)



- Red (92%)
- Yellow (69%)
- Blue (31%)



- Cyan (0%)
- Magenta (41%)
- Yellow (66%)
- Black (8%)



- Cyan (8%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9415, 36.7066, 12.3058 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 XYZ color 44.9415, 36.7066, 12.3058 by changing the saturation by 10% instead.

44.9415, 36.7066,
12.3058

44.9415, 36.7066,
12.3058

357.3243,
332.0385, 217.4687

31.6124, 24.9804,
6.8272

81.8702, 70.1213,
30.7235

21.2198, 16.0625,
3.2775

106.2006, 92.5786,
44.4998

13.3981, 9.5684,
1.2380

134.9288,
119.3817, 61.8790

7.7821, 5.1137,
0.0102

168.4201,
150.9151, 83.2797

4.0065, 2.3141,
0.0000

207.0400,
187.5630, 109.1205

1.7058, 0.7812,
0.0000

251.1537,

0.4599, 0.0000,

229.7100, 139.8199

0.0000

301.1267,
277.7404, 175.7965

■ 0.0000, 0.0000,
0.0000

■ 44.9415, 36.7066,
12.3058

■ 44.9415, 36.7066,
12.3058

■ 42.2514, 32.4816,
7.8487

■ 48.2174, 41.6179,
18.4561

■ 40.1003, 28.9020,
4.9041

■ 52.1154, 47.2420,
26.4510


■ 38.4361, 25.9297,
3.2520


■ 56.6714, 53.6106,
36.4273


■ 37.8715, 24.8837,
2.8070

■ 61.9176, 60.7516,
48.5079

■ 67.8839, 68.6914,
62.8059

 74.5982, 77.4549,
79.4260

 82.0870, 87.0661,
98.4664

 88.0707, 96.4020,
108.5734

Harmonies

Analogous

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



51.8544, 36.7066, 22.7575



44.9415, 36.7066, 12.3058



36.0866, 36.7066, 9.0131

Triad

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



44.9415, 36.7066, 12.3058



20.9361, 36.7066, 36.6697



42.5559, 36.7066, 99.0000

Complementary

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



44.9415, 36.7066, 12.3058



33.8278, 38.7519, 84.2936

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.



33.7173, 36.7066, 107.6425



44.9415, 36.7066, 12.3058



22.0971, 36.7066, 64.2018

Square

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



44.9415, 36.7066, 12.3058



22.9823, 36.7066, 18.9546



26.4590, 36.7066, 92.9180



50.3269, 36.7066, 72.6036

Rectangle

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



44.9415, 36.7066, 12.3058



30.5882, 36.7066, 9.6458



26.4590, 36.7066, 92.9180



39.5741, 36.7066, 104.4434

Sweetspot

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



44.9424, 36.7085, 12.3065



78.6378, 78.6170, 68.1567



45.1821, 26.6207, 44.9643



16.4007, 16.2530, 13.5576



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



44.9424, 36.7085, 12.3065



49.9098, 37.5511, 8.0524



59.8396, 66.5031, 17.2722



15.5355, 15.9939, 15.7870



21.1912, 14.0766, 1.6002



1.7543, 1.2859, 0.1557

Inverse Universe

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



33.8278, 38.7519, 84.2936



35.5296, 39.9565, 100.4475



22.9252, 16.9467, 80.6594



15.0081, 16.1027, 19.2394



14.1538, 14.9546, 45.8835



1.2038, 1.3590, 3.6337

Previews

White Background



This preview shows how the XYZ color 44.9415, 36.7066, 12.3058 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 XYZ color 44.9415, 36.7066, 12.3058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

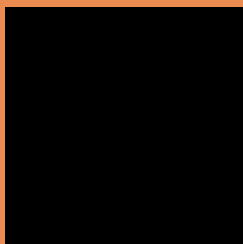
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9415, 36.7066, 12.3058

Background



This preview shows how black text looks on a background with the XYZ color 44.9415, 36.7066, 12.3058.



This preview shows how white text looks on a background with the XYZ color 44.9415, 36.7066,

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

44.9415, 36.7066, 12.3058

Protanopia

33.8593, 36.9588, 14.5817

Deuteranopia

37.5501, 36.8553, 11.9722



Tritanopia

48.6556, 36.7763, 29.7334

Trichromacy



Original Color

44.9415, 36.7066, 12.3058

Protanomaly

37.1805, 36.3779, 13.6563

Deuteranomaly

39.9775, 36.6447, 11.9873

Tritanomaly

47.2536, 36.8370, 22.0725

Monochromacy



Original Color

44.9415, 36.7066, 12.3058

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.2951, 35.1398, 26.6995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9415, 36.7066, 12.3058 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(235, 139, 80)` looks like.

```
.text, #text, p{  
    color:rgb(235, 139, 80)  
}
```

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(235, 139, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 139, 80) }
```

Border

The CSS property to change the border of an element to XYZ 44.9415, 36.7066, 12.3058 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(235, 139, 80) }
```


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

```
.border{ border-color:rgb(235, 139, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 139, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 139, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 139, 80);  
box-shadow:4px 4px 4px 4px rgb(235, 139,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9415, 36.7066, 12.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 139, 80) }
```

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

```
.background{ background-color: rgb(235,  
139, 80) }
```

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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