

Converting Colors

XYZ(43.8342, 33.8804, 12.2119)

Have a look what the booklet for
XYZ(43.8342, 33.8804, 12.2119)
contains.

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Color

**XYZ(43.8342, 33.8804,
12.2119)**

Conversions

Conversions Part 1

Format	Color
Hex	EC8052
RGB	236, 128, 82
RGB Percent	93%, 50%, 32%
CMY	0.0745, 0.4980, 0.6784
CMYK	0.00, 0.46, 0.65, 0.07
HSL	18°, 80%, 62%
HSV	18°, 65%, 93%
XYZ	43.8342, 33.8804, 12.2119
YIQ	155.0480, 79.1340, 8.5900

Conversions

Conversions Part 2

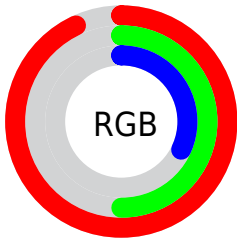
Format	Color
R _Y B	236, 148, 82
Decimal	15499346
CIE Lab	64.87, 37.74, 42.98
CIE LCh	65, 57.193, 48.715
Yxy	33.8804, 0.4874, 0.3768
Android (android.graphics.Color)	4293689426 (0xFFEC8052)
YUV	155.0480, -36.0127, 70.9949
Hunter-Lab	58.2069, 32.5620, 28.3057

Details

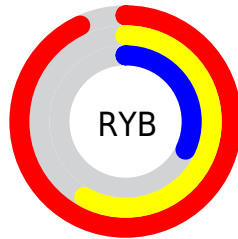
The XYZ color **43.8342, 33.8804, 12.2119** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **37.0321, 44.6741, 86.0275**, and the grayscale version is **31.3078, 32.9382, 35.8697**.

A 20% lighter version of the original color is **62.2016, 56.4094, 29.8000**, and **20.5524, 14.3983, 3.2093** is the 20% darker color. If you saturate the color by 10%, you get **41.1003, 29.6113, 7.6061**, and if you desaturate by 10%, it is **47.2305, 38.9807, 18.5620**.

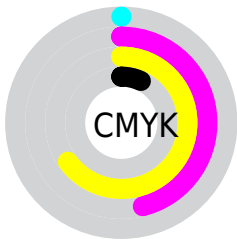
Distribution



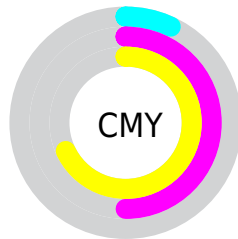
- Red (93%)
- Green (50%)
- Blue (32%)



- Red (93%)
- Yellow (58%)
- Blue (32%)



- Cyan (0%)
- Magenta (46%)
- Yellow (65%)
- Black (7%)



- Cyan (7%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.8342, 33.8804, 12.2119 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 43.8342, 33.8804, 12.2119 by changing the saturation by 10% instead.

43.8342, 33.8804,
12.2119

43.8342, 33.8804,
12.2119

352.8949,
319.5984, 216.8306

30.7375, 22.8017,
6.7639

80.2161, 65.7476,
30.5506

20.5499, 14.4472,
3.2387

104.2320, 87.3050,
44.2784

12.9060, 8.4323,
1.2178

132.6184,
113.1241, 61.6031

7.4404, 4.3728,
0.0000

165.7407,
143.5892, 82.9434

3.7878, 1.8842,
0.0000

203.9641,
179.0848, 108.7177

1.5828, 0.5389,
0.0000

247.6540,

0.3812, 0.0000,

219.9953, 139.3447

0.0000

297.1758,
266.7050, 175.2428

■ 0.0000, 0.0000,
0.0000

■ 43.8342, 33.8804,
12.2119

■ 43.8342, 33.8804,
12.2119

■ 41.1003, 29.6113,
7.6061

■ 47.2305, 38.9807,
18.5620

■ 38.9762, 26.1208,
4.5623

■ 51.3312, 44.9501,
26.8099

■ 37.4033, 23.3572,
2.8598

■ 56.1772, 51.8302,
37.0944

■ 36.8136, 22.2763,
2.3595

■ 61.8057, 59.6584,
49.5405

■ 68.2508, 68.4700,
64.2631

■ 75.5449, 78.2981,
81.3691

■ 83.7183, 89.1744,
100.9584

■ 88.4018, 96.5727,
108.5889

Harmonies

Analogous

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



49.6693, 33.8804, 24.1573



43.8342, 33.8804, 12.2119



35.4050, 33.8804, 7.8783

Triad

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



43.8342, 33.8804, 12.2119



19.0247, 33.8804, 28.7001



37.5607, 33.8804, 98.7542

Complementary

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



43.8342, 33.8804, 12.2119



37.0321, 44.6741, 86.0275

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.



29.1988, 33.8804, 101.7185



43.8342, 33.8804, 12.2119



19.4014, 33.8804, 53.4568

Square

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



43.8342, 33.8804, 12.2119



21.6994, 33.8804, 14.3124



22.8350, 33.8804, 82.5974



45.6423, 33.8804, 75.6814

Rectangle

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



43.8342, 33.8804, 12.2119



29.8599, 33.8804, 7.7526



22.8350, 33.8804, 82.5974



34.6642, 33.8804, 102.4155

Sweetspot

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



43.8350, 33.8822, 12.2125



77.5322, 76.4058, 67.7882



47.1643, 27.6896, 52.9412



16.1384, 15.7283, 13.4701



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.



43.8350, 33.8822, 12.2125



48.1465, 33.9269, 7.7652



57.3843, 60.9807, 16.7289



15.4323, 15.7875, 15.7527



20.3910, 12.4763, 1.3334



1.6825, 1.1424, 0.1318

Inverse Universe

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



37.0321, 44.6741, 86.0275



39.3318, 47.3543, 101.6750



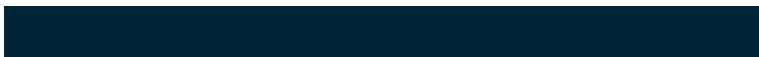
24.7928, 20.1955, 81.9477



15.1157, 16.3179, 19.2752



15.9302, 18.5073, 46.4756



1.3342, 1.6199, 3.6772

Previews

White Background



This preview shows how the XYZ color 43.8342, 33.8804, 12.2119 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 43.8342, 33.8804, 12.2119 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 43.8342, 33.8804, 12.2119

Background



This preview shows how black text looks on a background with the XYZ color 43.8342, 33.8804, 12.2119.



This preview shows how white text looks on a background with the XYZ color 43.8342, 33.8804,

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

43.8342, 33.8804, 12.2119

Protanopia

31.3922, 34.1107, 15.0547

Deuteranopia

34.4940, 33.8178, 11.7306



Tritanopia

46.6529, 33.9085, 25.5588

Trichromacy



Original Color

43.8342, 33.8804, 12.2119

Protanomaly

34.9601, 33.3078, 13.8190

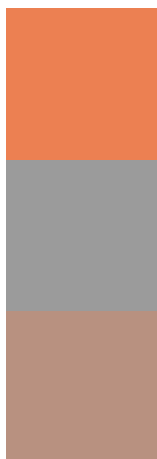
Deuteranomaly

37.3788, 33.4658, 11.8866

Tritanomaly

45.4482, 33.7847, 19.7485

Monochromacy



Original Color

43.8342, 33.8804, 12.2119

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.7888, 31.9997, 24.8178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8342, 33.8804, 12.2119 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(236, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(236, 128, 82)  
}
```

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(236, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 128, 82) }
```

Border

The CSS property to change the border of an element to XYZ 43.8342, 33.8804, 12.2119 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(236, 128, 82) }
```


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

```
.border{ border-color:rgb(236, 128, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 128, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(236, 128,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8342, 33.8804, 12.2119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 128, 82) }
```

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

```
.background{ background-color: rgb(236,  
128, 82) }
```

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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