

Converting Colors

XYZ(44.6427, 38.4898, 11.7999)

Have a look what the booklet for
XYZ(44.6427, 38.4898, 11.7999)
contains.

XYZ(44.8149, 38.6767, 11.7600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.8149, 38.6767,
11.7600)**

Conversions

Conversions Part 1

Format	Color
Hex	E7944B
RGB	231, 148, 75
RGB Percent	91%, 58%, 29%
CMY	0.0941, 0.4196, 0.7059
CMYK	0.00, 0.36, 0.68, 0.09
HSL	28°, 76%, 60%
HSV	28°, 68%, 91%
XYZ	44.8149, 38.6767, 11.7600
YIQ	164.4950, 72.9010, -5.1070

Conversions

Conversions Part 2

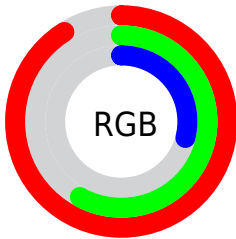
Format	Color
R _Y B	231, 212, 75
Decimal	15176779
CIE Lab	68.52, 24.87, 50.47
CIE LCh	69, 56.266, 63.770
Yxy	38.6767, 0.4705, 0.4060
Android (android.graphics.Color)	4293366859 (0xFFE7944B)
YUV	164.4950, -44.1210, 58.3249
Hunter-Lab	62.1906, 19.7946, 32.3219

Details

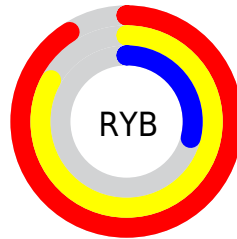
The XYZ color **44.8149, 38.6767, 11.7600** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **29.5516, 31.7176, 80.1654**, and the grayscale version is **35.7033, 37.5626, 40.9057**.

A 20% lighter version of the original color is **66.1264, 65.0074, 28.8011**, and **21.2342, 17.2733, 3.0791** is the 20% darker color. If you saturate the color by 10%, you get **42.3368, 34.7645, 7.7161**, and if you desaturate by 10%, it is **47.7864, 43.1170, 17.3844**.

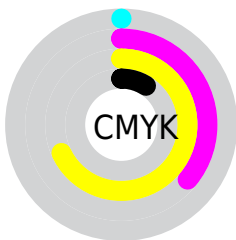
Distribution



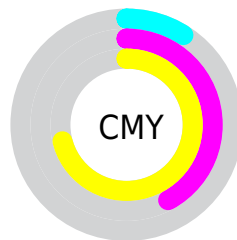
- Red (91%)
- Green (58%)
- Blue (29%)



- Red (91%)
- Yellow (83%)
- Blue (29%)



- Cyan (0%)
- Magenta (36%)
- Yellow (68%)
- Black (9%)





- Cyan (9%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.8149, 38.6767, 11.7600 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 44.8149, 38.6767, 11.7600 by changing the saturation by 10% instead.


 44.8149, 38.6767,
11.7600


 44.8149, 38.6767,
11.7600


356.8197,
340.5140, 213.7311


 31.5123, 26.5083,
6.4599


 81.6814, 73.1442,
29.7151


 21.1430, 17.2043,
3.0534


 105.9759, 96.2120,
43.2071


 13.3416, 10.3803,
1.1220


 134.6652,
123.6819, 60.2669

 7.7428, 5.6518,
0.0000

 168.1146,
155.9380, 81.3130

 3.9813, 2.6345,
0.0000

 206.6893,
193.3649, 106.7640

 1.6915, 0.9441,
0.0000

250.7549,

 0.4510, 0.0000,

236.3469, 137.0383

0.0000

300.6765,
285.2685, 172.5545

■ 0.0000, 0.0000,
0.0000

■ 44.8149, 38.6767,
11.7600

■ 44.8149, 38.6767,
11.7600

■ 42.3368, 34.7645,
7.7161

■ 47.7864, 43.1170,
17.3844

■ 40.3102, 31.3487,
5.0760

■ 51.2826, 48.1027,
24.7361


■ 38.6855, 28.4003,
3.6066


■ 55.3348, 53.6574,
33.9473


■ 38.3283, 27.7359,
3.3334

■ 59.9708, 59.8010,
45.1364

■ 65.2161, 66.5526,
58.4121

 71.0949, 73.9301,
73.8750

 77.6296, 81.9504,
91.6192

 84.0588, 90.3169,
107.6103

 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



52.8162, 38.6767, 20.3997



44.8149, 38.6767, 11.7600



35.6523, 38.6767, 9.7817

Triad

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



44.8149, 38.6767, 11.7600



22.2494, 38.6767, 45.4023



47.0655, 38.6767, 97.0726

Complementary

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



44.8149, 38.6767, 11.7600



29.5516, 31.7176, 80.1654

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.



37.8925, 38.6767, 111.9527



44.8149, 38.6767, 11.7600



24.3418, 38.6767, 75.4653

Square

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



44.8149, 38.6767, 11.7600



23.5007, 38.6767, 24.0221



29.7350, 38.6767, 102.7784



54.2552, 38.6767, 67.5615

Rectangle

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



44.8149, 38.6767, 11.7600



30.3139, 38.6767, 11.3860



29.7350, 38.6767, 102.7784



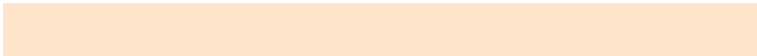
44.0630, 38.6767, 104.3908

Sweetspot

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



44.8158, 38.6787, 11.7607



79.8460, 81.0334, 68.5594



41.6599, 24.4968, 34.9711



16.6886, 16.8287, 13.6535



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.



44.8158, 38.6787, 11.7607



51.9254, 41.7622, 8.1694



61.3668, 71.7806, 17.2777



14.9303, 15.4744, 15.1044



21.6094, 15.7929, 1.9094



1.6891, 1.3516, 0.1719

Inverse Universe

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



29.5516, 31.7176, 80.1654



31.5749, 32.4286, 99.2029



20.2091, 13.0324, 77.0512



14.2145, 15.1504, 18.3195



12.1752, 11.4126, 43.9443



0.9925, 1.0290, 3.2783

Previews

White Background



This preview shows how the XYZ color 44.8149, 38.6767, 11.7600 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 44.8149, 38.6767, 11.7600 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 44.8149, 38.6767, 11.7600

Background



This preview shows how black text looks on a background with the XYZ color 44.8149, 38.6767, 11.7600.



This preview shows how white text looks on a background with the XYZ color 44.8149, 38.6767,

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

44.8149, 38.6767, 11.7600

Protanopia

35.4954, 38.9136, 13.4249

Deuteranopia

39.5803, 38.6741, 11.5096



Tritanopia

49.4752, 38.7910, 33.7340

Trichromacy



Original Color

44.8149, 38.6767, 11.7600

Protanomaly

38.5133, 38.6108, 12.8199

Deuteranomaly

41.2428, 38.5227, 11.5652

Tritanomaly

47.3293, 38.5674, 23.6886

Monochromacy



Original Color

44.8149, 38.6767, 11.7600

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.1308, 36.8110, 26.9780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8149, 38.6767, 11.7600 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(231, 148, 75)` looks like.

```
.text, #text, p{  
    color:rgb(231, 148, 75)  
}
```

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(231, 148, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 148, 75) }
```

Border

The CSS property to change the border of an element to XYZ 44.8149, 38.6767, 11.7600 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(231, 148, 75) }
```


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

```
.border{ border-color:rgb(231, 148, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 148, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 148, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 148, 75);  
box-shadow:4px 4px 4px 4px rgb(231, 148,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8149, 38.6767, 11.7600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 148, 75) }
```

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

```
.background{ background-color: rgb(231,  
148, 75) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor