

Converting Colors

XYZ(45.9357, 38.6110, 18.7928)

Have a look what the booklet for
XYZ(45.9357, 38.6110, 18.7928)
contains.

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Color

**XYZ(45.8354, 38.5873,
18.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	E7926A
RGB	231, 146, 106
RGB Percent	91%, 57%, 42%
CMY	0.0941, 0.4274, 0.5843
CMYK	0.00, 0.37, 0.54, 0.09
HSL	19°, 72%, 66%
HSV	19°, 54%, 91%
XYZ	45.8354, 38.5873, 18.6680
YIQ	166.8550, 63.5000, 5.5800

Conversions

Conversions Part 2

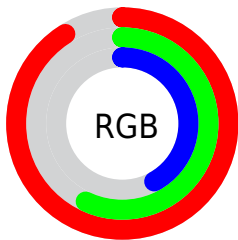
Format	Color
R _Y B	231, 165, 106
Decimal	15176298
CIE Lab	68.45, 28.08, 34.50
CIE LCh	68, 44.482, 50.855
Yxy	38.5873, 0.4446, 0.3743
Android (android.graphics.Color)	4293366378 (0xFFE7926A)
YUV	166.8550, -30.0015, 56.2552
Hunter-Lab	62.1187, 23.0018, 25.6652

Details

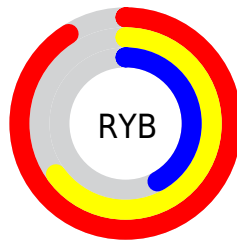
The XYZ color **45.8354, 38.5873, 18.6680** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **38.9974, 46.0931, 82.4425**, and the grayscale version is **36.7807, 38.6962, 42.1401**.

A 20% lighter version of the original color is **68.0658, 65.0372, 41.3137**, and **21.8692, 17.2606, 6.1820** is the 20% darker color. If you saturate the color by 10%, you get **42.5349, 33.6569, 12.4183**, and if you desaturate by 10%, it is **49.7940, 44.3163, 26.7338**.

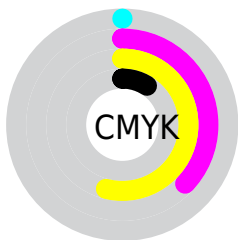
Distribution



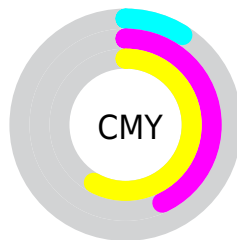
- Red (91%)
- Green (57%)
- Blue (42%)



- Red (91%)
- Yellow (65%)
- Blue (42%)



- Cyan (0%)
- Magenta (37%)
- Yellow (54%)
- Black (9%)





- Cyan (9%)
- Magenta (43%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8354, 38.5873, 18.6680 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 45.8354, 38.5873, 18.6680 by changing the saturation by 10% instead.


 45.8354, 38.5873,
18.6680


 45.8354, 38.5873,
18.6680


360.8735,
340.1327, 256.9711

 32.3200, 26.4388,
11.2563


 83.2020, 73.0074,
42.0015


 21.7628, 17.1522,
6.1231


 107.7839, 96.0479,
58.7604

 13.7983, 10.3431,
2.8501


 136.7854,
123.4878, 79.4721

 8.0613, 5.6270,
1.0186

 170.5718,
155.7115, 104.5551

 4.1863, 2.6196,
0.0000

209.5084,
193.1034, 134.4279

 1.8081, 0.9365,
0.0000

253.9607,

 0.5225, 0.0000,

236.0480, 169.5092

0.0000

304.2940,
284.9296, 210.2174

■ 0.0000, 0.0000,
0.0000

■ 45.8354, 38.5873,
18.6680

■ 45.8354, 38.5873,
18.6680

■ 42.5349, 33.6569,
12.4183

■ 49.7940, 44.3163,
26.7338

■ 39.8496, 29.4817,
7.8378

■ 54.4442, 50.8731,
36.7423

■ 37.7351, 26.0226,
4.7598

■ 59.8205, 58.2921,
48.8115

■ 36.1384, 23.2334,
2.9812

■ 65.9541, 66.6043,
63.0489

■ 35.3990, 21.8771,
2.3570

■ 72.8743, 75.8388,
79.5548

■ 80.6087, 86.0235,
98.4231

■ 86.7649, 95.7289,
108.5123

Harmonies

Analogous

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



50.7298, 38.5873, 29.7432



45.8354, 38.5873, 18.6680



38.8546, 38.5873, 14.3117

Triad

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



45.8354, 38.5873, 18.6680



24.9387, 38.5873, 36.1877



41.6740, 38.5873, 89.2486

Complementary

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



45.8354, 38.5873, 18.6680



38.9974, 46.0931, 82.4425

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.



34.5805, 38.5873, 92.6512



45.8354, 38.5873, 18.6680



25.4918, 38.5873, 57.2687

Square

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



45.8354, 38.5873, 18.6680



27.2055, 38.5873, 22.0933



28.8263, 38.5873, 79.5133



48.1231, 38.5873, 71.3125

Rectangle

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



45.8354, 38.5873, 18.6680



34.2017, 38.5873, 14.4093



28.8263, 38.5873, 79.5133



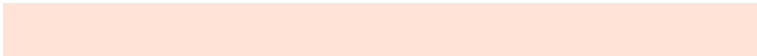
39.2670, 38.5873, 92.3134

Sweetspot

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



45.8363, 38.5892, 18.6687



80.9428, 81.2046, 75.1602



47.5590, 31.0772, 53.0230



16.9766, 16.9103, 15.2737



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.



45.8363, 38.5892, 18.6687



52.7710, 41.4201, 14.7199



58.1326, 63.1819, 22.7675



14.7516, 15.1172, 15.0449



19.9445, 12.4631, 1.3544



1.5553, 1.0840, 0.1273

Inverse Universe

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



38.9974, 46.0931, 82.4425



43.3033, 51.5751, 102.2804



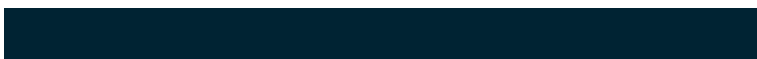
28.2072, 24.5126, 78.8457



14.3982, 15.5177, 18.3807



14.9689, 16.9998, 44.8755



1.1891, 1.4222, 3.3438

Previews

White Background



This preview shows how the XYZ color 45.8354, 38.5873, 18.6680 looks on a white background.

Color Contrast Check

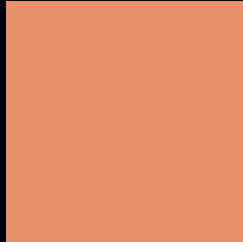
Large Text (above 18pt) WCAG AA × Fail

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 45.8354, 38.5873, 18.6680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

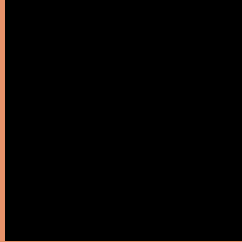
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8354, 38.5873, 18.6680

Background



This preview shows how black text looks on a background with the XYZ color 45.8354, 38.5873, 18.6680.



This preview shows how white text looks on a background with the XYZ color 45.8354, 38.5873,

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

45.8354, 38.5873, 18.6680

Protanopia

35.9120, 38.6761, 21.4921

Deuteranopia

39.3761, 38.6774, 18.2221



Tritanopia

48.8957, 38.4830, 34.1290

Trichromacy



Original Color

45.8354, 38.5873, 18.6680

Protanomaly

38.8206, 38.0861, 20.3442

Deuteranomaly

41.6606, 38.5883, 18.3492

Tritanomaly

47.6504, 38.4189, 27.8258

Monochromacy



Original Color

45.8354, 38.5873, 18.6680

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.7442, 37.7878, 32.0398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8354, 38.5873, 18.6680 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, 146, 106)` looks like.

```
.text, #text, p{  
    color:rgb(231, 146, 106)  
}
```

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, 146, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 146, 106) }
```

Border

The CSS property to change the border of an element to XYZ 45.8354, 38.5873, 18.6680 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, 146, 106) }
```


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

```
.border{ border-color:rgb(231, 146, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 146, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 146, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 146, 106);  
box-shadow:4px 4px 4px 4px rgb(231, 146,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8354, 38.5873, 18.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 146, 106) }
```

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

```
.background{ background-color: rgb(231,  
146, 106) }
```

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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