

Converting Colors

XYZ(37.7974, 26.6248, 0.4869)

Have a look what the booklet for
XYZ(37.7974, 26.6248, 0.4869)
contains.

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Color

**XYZ(38.3556, 26.8264,
3.1564)**

Conversions

Conversions Part 1

Format	Color
Hex	E96600
RGB	233, 102, 0
RGB Percent	91%, 40%, 0%
CMY	0.0863, 0.6000, 1.0000
CMYK	0.00, 0.56, 1.00, 0.09
HSL	26°, 100%, 46%
HSV	26°, 100%, 91%
XYZ	38.3556, 26.8264, 3.1564
YIQ	129.5410, 110.8180, -3.9500

Conversions

Conversions Part 2

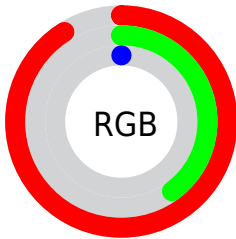
Format	Color
R_{YB}	233, 181, 0
Decimal	15296000
CIE _{Lab}	58.81, 47.02, 67.55
CIE _{LCh}	59, 82.302, 55.161
Yxy	26.8264, 0.5613, 0.3926
Android (android.graphics.Color)	4293486080 (0xFFE96600)
YUV	129.5410, -63.8637, 90.7335
Hunter-Lab	51.7942, 41.5462, 32.6427

Details

The XYZ color **38.3556, 26.8264, 3.1564** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **22.8235, 22.1144, 80.1556**, and the grayscale version is **21.2480, 22.3545, 24.3441**.

A 20% lighter version of the original color is **54.1416, 45.4422, 11.2278**, and **17.4605, 10.6316, 1.1318** is the 20% darker color. If you saturate the color by 10%, you get **38.3559, 26.8274, 3.1566**, and if you desaturate by 10%, it is **39.9047, 29.6727, 4.4509**.

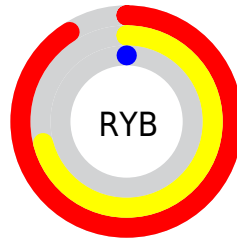
Distribution



Red (91%)

Green (40%)

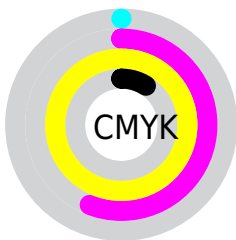
Blue (0%)



Red (91%)

Yellow (71%)

Blue (0%)

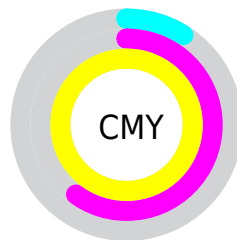


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3556, 26.8264, 3.1564 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 38.3556, 26.8264, 3.1564 by changing the saturation by 10% instead.


 38.3556, 26.8264,
3.1564

 38.3556, 26.8264,
3.1564

330.3975,
286.8156, 138.3283


 26.4373, 17.4429,
1.1750


 71.9532, 54.6052,
12.0120

 17.2854, 10.5508,
0.0000


 94.3633, 73.7692,
19.7233

 10.5348, 5.7656,
0.0000


 121.0012, 96.9622,
30.1817

 5.8199, 2.7031,
0.0000

 152.2325,
124.5686, 43.8056

 2.7755, 0.9788,
0.0000

 188.4224,
156.9727, 61.0137


 1.0362, 0.0000,
0.0000


 229.9363,


 0.0000, 0.0000,


194.5590, 82.2245


0.0000


 277.1395,
237.7118, 107.8565


 38.3556, 26.8264,
3.1564


 38.3556, 26.8264,
3.1564

 38.3559, 26.8274,
3.1566

 39.9047, 29.6727,
4.4509

 41.8553, 33.0180,
6.8148

 44.2765, 36.9047,
10.5682

 47.2115, 41.3628,
15.8989

 50.6972, 46.4190,
22.9649

■ 54.7666, 52.0982,
31.9046

■ 59.4500, 58.4233,
42.8426

■ 64.7749, 65.4160,
55.8922

■ 70.7674, 73.0969,
71.1586

Harmonies

Analogous

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



47.5643, 26.8264, 11.3034



38.3556, 26.8264, 3.1564



27.1803, 26.8264, 1.4113

Triad

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



38.3556, 26.8264, 3.1564



10.5724, 26.8264, 24.7422



34.7313, 26.8264, 114.6680

Complementary

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



38.3556, 26.8264, 3.1564



22.8235, 22.1144, 80.1556

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.



23.8860, 26.8264, 127.8490



38.3556, 26.8264, 3.1564



11.5950, 26.8264, 60.0127

Square

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



38.3556, 26.8264, 3.1564



12.5964, 26.8264, 7.4966



15.8920, 26.8264, 103.3266



45.1120, 26.8264, 74.2072

Rectangle

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



38.3556, 26.8264, 3.1564



20.7251, 26.8264, 1.6559



15.8920, 26.8264, 103.3266



30.9519, 26.8264, 123.2319

Sweetspot

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



38.3562, 26.8279, 3.1568



72.8675, 71.5772, 52.3584



37.7712, 18.9905, 23.5170



15.0563, 14.5965, 9.9269



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.



38.3562, 26.8279, 3.1568



46.9943, 32.7686, 3.8481



58.5371, 67.1898, 9.8838



15.6080, 16.1391, 15.8112



21.8828, 15.4598, 1.8307



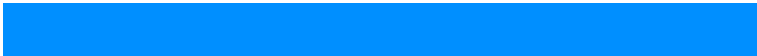
1.8126, 1.4025, 0.1752

Inverse Universe

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



22.8235, 22.1144, 80.1556



27.9269, 26.9738, 98.3423



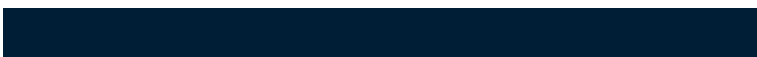
14.8864, 6.2402, 77.5099



14.9338, 15.9540, 19.2146



13.0761, 12.7992, 45.5243



1.1223, 1.1961, 3.6066

Previews

White Background



This preview shows how the XYZ color 38.3556, 26.8264, 3.1564 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3556, 26.8264, 3.1564 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 × Fail

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

XYZ 38.3556, 26.8264, 3.1564

Background



This preview shows how black text looks on a background with the XYZ color 38.3556, 26.8264, 3.1564.



This preview shows how white text looks on a background with the XYZ color 38.3556, 26.8264,

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

38.3556, 26.8264, 3.1564

Protanopia

24.3150, 26.8775, 4.6654

Deuteranopia

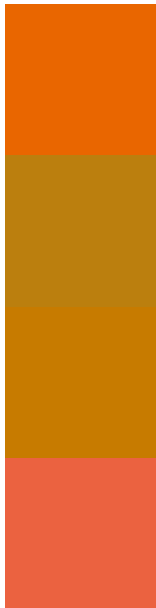
27.2544, 26.9117, 3.7580



Tritanopia

41.0332, 26.9569, 15.3524

Trichromacy



Original Color

38.3556, 26.8264, 3.1564

Protanomaly

28.1622, 25.7752, 3.9063

Deuteranomaly

30.6361, 26.3080, 3.4633

Tritanomaly

39.5540, 26.7677, 7.9324

Monochromacy



Original Color

38.3556, 26.8264, 3.1564

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

24.2142, 22.2730, 11.2065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3556, 26.8264, 3.1564 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(233, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(233, 102, 0)  
}
```

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(233, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 102, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.3556, 26.8264, 3.1564 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(233, 102, 0) }
```


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

```
.border{ border-color:rgb(233, 102, 0) }
```

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

Here you see how a box with a 4 pixel rgb(233, 102, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(233, 102,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3556, 26.8264, 3.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 102, 0) }
```

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

```
.background{ background-color: rgb(233,  
102, 0) }
```

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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