

Converting Colors

XYZ(38.6977, 27.9688, 3.3606)

Have a look what the booklet for
XYZ(38.6977, 27.9688, 3.3606)
contains.

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Color

**XYZ(38.6413, 27.8809,
3.3449)**

Conversions

Conversions Part 1

Format	Color
Hex	E86C00
RGB	232, 108, 0
RGB Percent	91%, 42%, 0%
CMY	0.0902, 0.5764, 1.0000
CMYK	0.00, 0.53, 1.00, 0.09
HSL	28°, 100%, 45%
HSV	28°, 100%, 91%
XYZ	38.6413, 27.8809, 3.3449
YIQ	132.7640, 108.5720, -7.3000

Conversions

Conversions Part 2

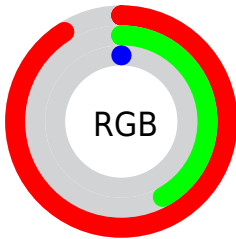
Format	Color
R_{YB}	232, 202, 0
Decimal	15232000
CIE _{Lab}	59.78, 43.76, 68.02
CIE _{LCh}	60, 80.880, 57.244
Yxy	27.8809, 0.5531, 0.3991
Android (android.graphics.Color)	4293422080 (0xFFE86C00)
YUV	132.7640, -65.4527, 87.0300
Hunter-Lab	52.8024, 38.2239, 33.2058

Details

The XYZ color **38.6413, 27.8809, 3.3449** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **21.7728, 20.2409, 79.1028**, and the grayscale version is **22.4125, 23.5797, 25.6783**.

A 20% lighter version of the original color is **55.2037, 47.5180, 11.7312**, and **17.7764, 11.2634, 1.2371** is the 20% darker color. If you saturate the color by 10%, you get **38.6415, 27.8818, 3.3451**, and if you desaturate by 10%, it is **40.2008, 30.7495, 4.6379**.

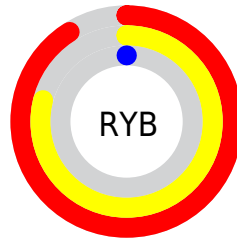
Distribution



Red (91%)

Green (42%)

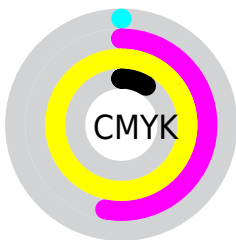
Blue (0%)



Red (91%)

Yellow (79%)

Blue (0%)

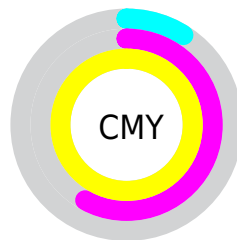


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (9%)



Cyan (9%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6413, 27.8809, 3.3449 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 38.6413, 27.8809, 3.3449 by changing the saturation by 10% instead.


 38.6413, 27.8809,
3.3449


 38.6413, 27.8809,
3.3449


331.5965,
291.8974, 140.6390


 26.6603, 18.2359,
1.2733


 72.3876, 56.2942,
12.4683

 17.4535, 11.1195,
0.0398


 94.8836, 75.8314,
20.3571

 10.6557, 6.1473,
0.0000


 121.6153, 99.4347,
31.0222

 5.9014, 2.9348,
0.0000

 152.9480,
127.4885, 44.8819

 2.8253, 1.0978,
0.0000

 189.2471,
160.3773, 62.3550


 1.0621, 0.0000,
0.0000


 230.8780,


 0.0000, 0.0000,


198.4855, 83.8598


0.0000


 278.2060,
242.1973, 109.8150


 38.6413, 27.8809,
3.3449


 38.6413, 27.8809,
3.3449


 38.6415, 27.8818,
3.3451

 40.2008, 30.7495,
4.6379

 42.1408, 34.0783,
6.9836

 44.5285, 37.9068,
10.6991

 47.4054, 42.2619,
15.9697

 50.8069, 47.1681,
22.9512

■ 54.7646, 52.6476,
31.7805

■ 59.3074, 58.7212,
42.5801

■ 64.4617, 65.4084,
55.4623

■ 70.2521, 72.7277,
70.5304

Harmonies

Analogous

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



48.1366, 27.8809, 11.1720



38.6413, 27.8809, 3.3449



27.4577, 27.8809, 1.6881

Triad

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



38.6413, 27.8809, 3.3449



11.2998, 27.8809, 27.7270



36.5715, 27.8809, 113.1250

Complementary

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



38.6413, 27.8809, 3.3449



21.7728, 20.2409, 79.1028

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.



25.5648, 27.8809, 128.6626



38.6413, 27.8809, 3.3449



12.5688, 27.8809, 64.1703

Square

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



38.6413, 27.8809, 3.3449



13.1532, 27.8809, 8.9304



17.2124, 27.8809, 106.7345



46.7414, 27.8809, 72.2173

Rectangle

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



38.6413, 27.8809, 3.3449



21.0823, 27.8809, 2.0739



17.2124, 27.8809, 106.7345



32.7743, 27.8809, 122.3043

Sweetspot

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



38.6419, 27.8825, 3.3454



73.4015, 72.6452, 52.5364



37.1487, 18.7039, 21.9373



15.1820, 14.8478, 9.9688



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.



38.6419, 27.8825, 3.3454



47.8026, 34.3853, 4.1175



58.9768, 68.5522, 10.1237



14.9273, 15.4685, 15.1034



21.5758, 15.7258, 1.8982



1.6866, 1.3465, 0.1710

Inverse Universe

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



21.7728, 20.2409, 79.1028



26.8947, 24.9095, 97.9982



14.6922, 6.0797, 76.7426



14.2175, 15.1564, 18.3205



12.2147, 11.4914, 43.9575



0.9954, 1.0347, 3.2792

Previews

White Background



This preview shows how the XYZ color 38.6413, 27.8809, 3.3449 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 38.6413, 27.8809, 3.3449 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 38.6413, 27.8809, 3.3449

Background



This preview shows how black text looks on a background with the XYZ color 38.6413, 27.8809, 3.3449.



This preview shows how white text looks on a background with the XYZ color 38.6413, 27.8809,

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

38.6413, 27.8809, 3.3449

Protanopia

25.3650, 28.0915, 4.7948

Deuteranopia

28.4741, 27.9586, 3.8958



Tritanopia

41.4720, 27.8380, 17.0974

Trichromacy



Original Color

38.6413, 27.8809, 3.3449

Protanomaly

29.0629, 27.2230, 4.1035

Deuteranomaly

31.5482, 27.3392, 3.6142

Tritanomaly

39.8253, 27.6103, 8.6991

Monochromacy



Original Color

38.6413, 27.8809, 3.3449

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

25.2095, 23.5062, 11.8028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6413, 27.8809, 3.3449 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(232, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 108, 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(232, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.6413, 27.8809, 3.3449 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(232, 108, 0) }
```


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

```
.border{ border-color:rgb(232, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6413, 27.8809, 3.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 108, 0) }
```

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

```
.background{ background-color: rgb(232,  
108, 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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