

Converting Colors

XYZ(39.0169, 27.6607, 3.2826)

Have a look what the booklet for
XYZ(39.0169, 27.6607, 3.2826)
contains.

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Color

**XYZ(38.9833, 27.5956,
3.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	EA6900
RGB	234, 105, 0
RGB Percent	92%, 41%, 0%
CMY	0.0824, 0.5882, 1.0000
CMYK	0.00, 0.55, 1.00, 0.08
HSL	27°, 100%, 46%
HSV	27°, 100%, 92%
XYZ	38.9833, 27.5956, 3.2718
YIQ	131.6010, 110.5890, -5.3070

Conversions

Conversions Part 2

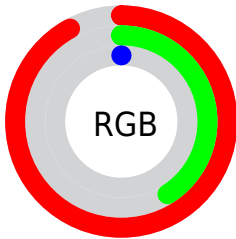
Format	Color
R_{YB}	234, 190, 0
Decimal	15362304
CIE _{Lab}	59.52, 45.97, 68.03
CIE _{LCh}	60, 82.106, 55.953
Yxy	27.5956, 0.5581, 0.3951
Android (android.graphics.Color)	4293552384 (0xFFEA6900)
YUV	131.6010, -64.8793, 89.8039
Hunter-Lab	52.5315, 40.5336, 33.0793

Details

The XYZ color **38.9833, 27.5956, 3.2718** 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 **22.7010, 21.6400, 80.8218**, and the grayscale version is **21.9878, 23.1329, 25.1918**.

A 20% lighter version of the original color is **54.6513, 46.4615, 11.3977**, and **17.8056, 11.0020, 1.1851** is the 20% darker color. If you saturate the color by 10%, you get **38.9836, 27.5965, 3.2720**, and if you desaturate by 10%, it is **40.5578, 30.4909, 4.5798**.

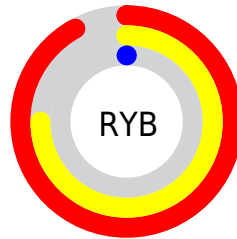
Distribution



Red (92%)

Green (41%)

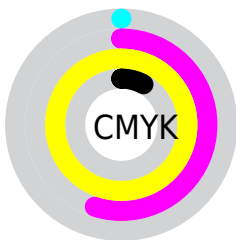
Blue (0%)



Red (92%)

Yellow (75%)

Blue (0%)

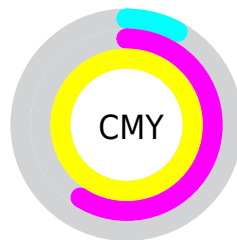


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9833, 27.5956, 3.2718 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 38.9833, 27.5956, 3.2718 by changing the saturation by 10% instead.


 38.9833, 27.5956,
3.2718


 38.9833, 27.5956,
3.2718

333.0279,
290.5295, 139.7505

 26.9274, 18.0210,
1.2350


 72.9070, 55.8381,
12.2921

 17.6550, 10.9651,
0.0076


 95.5056, 75.2749,
20.1126


 10.8008, 6.0434,
0.0000


 122.3491, 98.7679,
30.6982

 5.9993, 2.8715,
0.0000

 153.8028,
126.7015, 44.4674

 2.8853, 1.0650,
0.0000

 190.2322,
159.4600, 61.8387


 1.0934, 0.0000,
0.0000

 232.0027,


 0.0196, 0.0000,


197.4279, 83.2306


0.0000


 279.4794,
240.9896, 109.0617


 0.0000, 0.0000,
0.0000


 38.9833, 27.5956,
3.2718


 38.9833, 27.5956,
3.2718


 38.9836, 27.5965,
3.2720

 40.5578, 30.4909,
4.5798

 42.5310, 33.8768,
6.9660

 44.9723, 37.7948,
10.7532

 47.9245, 42.2742,
16.1308

 51.4248, 47.3411,
23.2585

■ 55.5059, 53.0196,
32.2761

■ 60.1980, 59.3322,
43.3091

■ 65.5285, 66.2999,
56.4721

■ 71.5234, 73.9429,
71.8712

Harmonies

Analogous

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



48.4271, 27.5956, 11.4048



38.9833, 27.5956, 3.2718



27.6544, 27.5956, 1.5344

Triad

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



38.9833, 27.5956, 3.2718



10.9947, 27.5956, 26.2117



35.9086, 27.5956, 115.6072

Complementary

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



38.9833, 27.5956, 3.2718



22.7010, 21.6400, 80.8218

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.



24.8530, 27.5956, 129.8847



38.9833, 27.5956, 3.2718



12.1247, 27.5956, 62.4183

Square

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



38.9833, 27.5956, 3.2718



12.9815, 27.5956, 8.1367



16.6125, 27.5956, 106.0354



46.3497, 27.5956, 74.4261

Rectangle

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



38.9833, 27.5956, 3.2718



21.1432, 27.5956, 1.8338



16.6125, 27.5956, 106.0354



32.0707, 27.5956, 124.5270

Sweetspot

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



38.9839, 27.5972, 3.2723



73.0774, 71.9969, 52.4284



38.1377, 19.1749, 23.7374



15.1056, 14.6952, 9.9434



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.



38.9839, 27.5972, 3.2723



47.3059, 33.3917, 3.9520



59.1067, 67.8427, 9.9798



15.6220, 16.1670, 15.8159



22.0284, 15.7511, 1.8792



1.8245, 1.4264, 0.1792

Inverse Universe

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



22.7010, 21.6400, 80.8218



27.5117, 26.1434, 98.2039



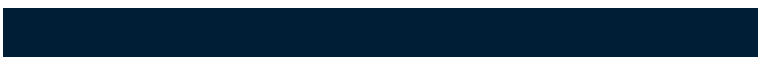
15.0307, 6.2995, 78.2651



14.9196, 15.9257, 19.2099



12.8841, 12.4153, 45.4603



1.1075, 1.1666, 3.6017

Previews

White Background



This preview shows how the XYZ color 38.9833, 27.5956, 3.2718 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 38.9833, 27.5956, 3.2718 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 38.9833, 27.5956, 3.2718

Background



This preview shows how black text looks on a background with the XYZ color 38.9833, 27.5956, 3.2718.



This preview shows how white text looks on a background with the XYZ color 38.9833, 27.5956,

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

38.9833, 27.5956, 3.2718

Protanopia

25.0184, 27.6858, 4.7843

Deuteranopia

28.2371, 27.8364, 3.8847



Tritanopia

41.7914, 27.7394, 16.2483

Trichromacy



Original Color

38.9833, 27.5956, 3.2718

Protanomaly

28.8009, 26.6883, 4.0489

Deuteranomaly

31.4210, 27.0847, 3.5718

Tritanomaly

40.2291, 27.5336, 8.3485

Monochromacy



Original Color

38.9833, 27.5956, 3.2718

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.9220, 22.9942, 11.5123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9833, 27.5956, 3.2718 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(234, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(234, 105, 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(234, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 105, 0) }
```

Border

The CSS property to change the border of an element to XYZ 38.9833, 27.5956, 3.2718 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(234, 105, 0) }
```


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

```
.border{ border-color:rgb(234, 105, 0) }
```

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

Here you see how a box with a 4 pixel rgb(234, 105, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(234, 105,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9833, 27.5956, 3.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 105, 0) }
```

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

```
.background{ background-color: rgb(234,  
105, 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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