

Converting Colors

XYZ(39.4395, 30.6259, 3.8327)

Have a look what the booklet for
XYZ(39.4395, 30.6259, 3.8327)
contains.

XYZ(39.5927, 30.7421, 3.8470)	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(39.5927, 30.7421,
3.8470)**

Conversions

Conversions Part 1

Format	Color
Hex	E67A00
RGB	230, 122, 0
RGB Percent	90%, 48%, 0%
CMY	0.0980, 0.5215, 1.0000
CMYK	0.00, 0.47, 1.00, 0.10
HSL	32°, 100%, 45%
HSV	32°, 100%, 90%
XYZ	39.5927, 30.7421, 3.8470
YIQ	140.3840, 103.5300, -15.0460

Conversions

Conversions Part 2

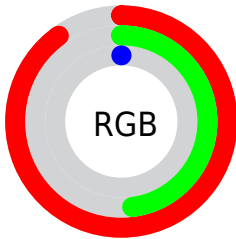
Format	Color
RYB	204, 230, 0
Decimal	15104512
CIELab	62.29, 35.96, 69.35
CIElCh	62, 78.125, 62.591
Yxy	30.7421, 0.5337, 0.4144
Android (android.graphics.Color)	4293294592 (0xFFE67A00)
YUV	140.3840, -69.2093, 78.5932
Hunter-Lab	55.4456, 30.4340, 34.6982

Details

The XYZ color **39.5927, 30.7421, 3.8470** 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 **19.6453, 16.4380, 76.9998**, and the grayscale version is **25.3112, 26.6293, 28.9993**.

A 20% lighter version of the original color is **57.8708, 52.7529, 12.9265**, and **18.1896, 12.7220, 1.4969** is the 20% darker color. If you saturate the color by 10%, you get **39.5929, 30.7430, 3.8472**, and if you desaturate by 10%, it is **41.1487, 33.6070, 5.1290**.

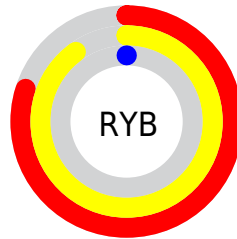
Distribution



Red (90%)

Green (48%)

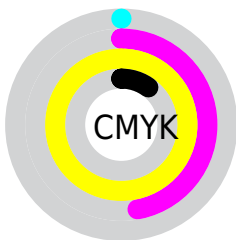
Blue (0%)



Red (80%)

Yellow (90%)

Blue (0%)

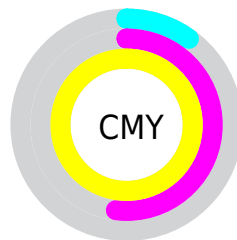


Cyan (0%)

Magenta (47%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5927, 30.7421, 3.8470 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 39.5927, 30.7421, 3.8470 by changing the saturation by 10% instead.


 39.5927, 30.7421,
3.8470


 39.5927, 30.7421,
3.8470


335.5678,
305.3484, 146.5093

 27.4039, 20.4025,
1.5418


 73.8312, 60.8338,
13.6553

 18.0150, 12.6880,
0.2488


 96.6116, 81.3547,
21.9955


 11.0605, 7.2141,
0.0000


 123.6533,
106.0383, 33.1845

 6.1751, 3.5963,
0.0000

 155.3215,
135.2688, 47.6407

 2.9935, 1.4504,
0.0000

 191.9818,
169.4306, 65.7828


 1.1503, 0.2534,
0.0000

 233.9993,


 0.0666, 0.0000,


208.9083, 88.0292


0.0000


 281.7395,
254.0861, 114.7985


 0.0000, 0.0000,
0.0000


 39.5927, 30.7421,
3.8470


 39.5927, 30.7421,
3.8470

 39.5929, 30.7430,
3.8472

 41.1487, 33.6070,
5.1290

 43.0399, 36.8477,
7.4293

 45.3300, 40.4980,
11.0590

 48.0572, 44.5801,
16.1986

 51.2541, 49.1134,
23.0000

■ 54.9497, 54.1157,
31.5964

■ 59.1701, 59.6036,
42.1071

■ 63.9396, 65.5925,
54.6414

■ 69.2806, 72.0972,
69.3000

Harmonies

Analogous

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



49.8700, 30.7421, 10.9127



39.5927, 30.7421, 3.8470



28.3117, 30.7421, 2.5122

Triad

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



39.5927, 30.7421, 3.8470



13.2735, 30.7421, 36.1692



41.5702, 30.7421, 110.2027

Complementary

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



39.5927, 30.7421, 3.8470



19.6453, 16.4380, 76.9998

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.



30.1463, 30.7421, 131.5741



39.5927, 30.7421, 3.8470



15.2393, 30.7421, 75.5521

Square

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



39.5927, 30.7421, 3.8470



14.6527, 30.7421, 13.2130



20.8375, 30.7421, 116.1193



51.1915, 30.7421, 67.9902

Rectangle

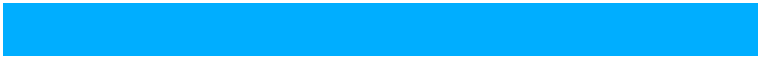
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



39.5927, 30.7421, 3.8470



22.0964, 30.7421, 3.3792



20.8375, 30.7421, 116.1193



37.7291, 30.7421, 120.9165

Sweetspot

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



39.5934, 30.7438, 3.8475



74.6785, 75.1992, 52.9621



35.5116, 17.9745, 16.6857



15.4835, 15.4510, 10.0693



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.



39.5934, 30.7438, 3.8475



49.9411, 38.6623, 4.8304



59.7128, 72.7889, 10.9026



15.0067, 15.6274, 15.1299



22.5390, 17.6522, 2.2193



1.7584, 1.4901, 0.1949

Inverse Universe

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



19.6453, 16.4380, 76.9998



24.7345, 20.5891, 97.2782



14.3310, 5.7381, 75.2146



14.1380, 14.9974, 18.2940



11.2421, 9.5463, 43.6333



0.9231, 0.8901, 3.2551

Previews

White Background



This preview shows how the XYZ color 39.5927, 30.7421, 3.8470 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 39.5927, 30.7421, 3.8470 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 39.5927, 30.7421, 3.8470

Background



This preview shows how black text looks on a background with the XYZ color 39.5927, 30.7421, 3.8470.



This preview shows how white text looks on a background with the XYZ color 39.5927, 30.7421,

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

39.5927, 30.7421, 3.8470

Protanopia

27.9233, 31.0495, 5.1375

Deuteranopia

31.3083, 30.7213, 4.2797



Tritanopia

43.2880, 30.6832, 21.7301

Trichromacy



Original Color

39.5927, 30.7421, 3.8470

Protanomaly

31.3295, 30.2828, 4.5417

Deuteranomaly

33.8408, 30.3071, 4.0662

Tritanomaly

41.1892, 30.3502, 10.7085

Monochromacy



Original Color

39.5927, 30.7421, 3.8470

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.4243, 26.3806, 13.0977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5927, 30.7421, 3.8470 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(230, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 122, 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(230, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.5927, 30.7421, 3.8470 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(230, 122, 0) }
```


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

```
.border{ border-color:rgb(230, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5927, 30.7421, 3.8470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 122, 0) }
```

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

```
.background{ background-color: rgb(230,  
122, 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](#).

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