

Converting Colors

XYZ(44.9272, 39.1905, 5.1966)

Have a look what the booklet for
XYZ(44.9272, 39.1905, 5.1966)
contains.

XYZ(45.0084, 39.1571, 5.1859)	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(45.0084, 39.1571,
5.1859)**

Conversions

Conversions Part 1

Format	Color
Hex	EB9500
RGB	235, 149, 0
RGB Percent	92%, 58%, 0%
CMY	0.0784, 0.4157, 0.9999
CMYK	0.00, 0.37, 1.00, 0.08
HSL	38°, 100%, 46%
HSV	38°, 100%, 92%
XYZ	45.0084, 39.1571, 5.1859
YIQ	157.7280, 99.0850, -28.1070

Conversions

Conversions Part 2

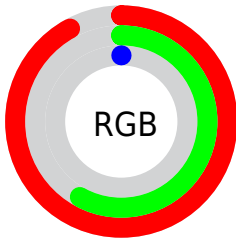
Format	Color
RYB	136, 235, 0
Decimal	15439104
CIELab	68.86, 23.93, 73.82
CIELCh	69, 77.602, 72.043
Yxy	39.1571, 0.5037, 0.4382
Android (android.graphics.Color)	4293629184 (0xFFEB9500)
YUV	157.7280, -77.7599, 67.7675
Hunter-Lab	62.5756, 18.8813, 38.8893

Details

The XYZ color **45.0084, 39.1571, 5.1859** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **18.3237, 12.6547, 80.0734**, and the grayscale version is **32.6876, 34.3899, 37.4506**.

A 20% lighter version of the original color is **63.8659, 64.4799, 15.7364**, and **21.6013, 17.6196, 2.2624** is the 20% darker color. If you saturate the color by 10%, you get **45.0084, 39.1575, 5.1860**, and if you desaturate by 10%, it is **46.5804, 42.0457, 6.4984**.

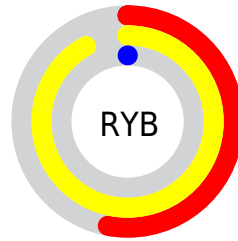
Distribution



Red (92%)

Green (58%)

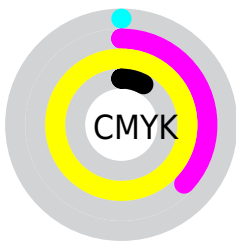
Blue (0%)



Red (53%)

Yellow (92%)

Blue (0%)

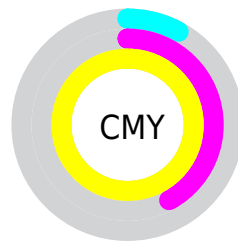


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.0084, 39.1571, 5.1859 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 45.0084, 39.1571, 5.1859 by changing the saturation by 10% instead.


 45.0084, 39.1571,
5.1859


 45.0084, 39.1571,
5.1859


357.5907,
342.5579, 160.6136


 31.6653, 26.8820,
2.2961


 81.9700, 73.8783,
16.6637


 21.2603, 17.4846,
0.7290


 106.3193, 97.0931,
26.0887


 13.4280, 10.5806,
0.0000


 135.0680,
124.7232, 38.5293

 7.8029, 5.7856,
0.0000

 168.5815,
157.1531, 54.4039

 4.0198, 2.7151,
0.0000

 207.2252,
194.7671, 74.1311


 1.7134, 0.9849,
0.0000

 251.3644,


 0.4646, 0.0000,


237.9497, 98.1294


0.0000


 301.3644,
287.0852, 126.8174


 0.0000, 0.0000,
0.0000

 45.0084, 39.1571,
5.1859


 45.0084, 39.1571,
5.1859


 45.0084, 39.1575,
5.1860

 46.5804, 42.0457,
6.4984

 48.4478, 45.2149,
8.8646

 50.6747, 48.6952,
12.6080

 53.2989, 52.5050,
17.9181

 56.3526, 56.6602,
24.9547

■ 59.8641, 61.1750,
33.8572

■ 63.8587, 66.0625,
44.7510

■ 68.3599, 71.3350,
57.7503

■ 73.3894, 77.0038,
72.9608

Harmonies

Analogous

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



57.7254, 39.1571, 11.4311



45.0084, 39.1571, 5.1859



32.4911, 39.1571, 4.7538

Triad

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



45.0084, 39.1571, 5.1859



18.5261, 39.1571, 58.4133



55.4407, 39.1571, 115.4619

Complementary

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



45.0084, 39.1571, 5.1859



18.3237, 12.6547, 80.0734

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.



42.3817, 39.1571, 149.3412



45.0084, 39.1571, 5.1859



22.2527, 39.1571, 106.1110

Square

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



45.0084, 39.1571, 5.1859



18.9263, 39.1571, 24.9544



30.3822, 39.1571, 145.2020



64.6038, 39.1571, 67.1560

Rectangle

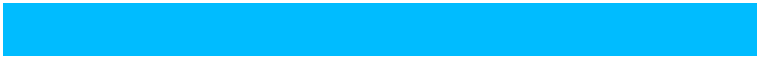
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.0084, 39.1571, 5.1859



26.0120, 39.1571, 7.1104



30.3822, 39.1571, 145.2020



51.2523, 39.1571, 129.8622

Sweetspot

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



45.0093, 39.1591, 5.1866



76.7967, 79.4354, 53.6681



35.9476, 18.3370, 10.4859



15.9870, 16.4578, 10.2371



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.



45.0093, 39.1591, 5.1866



54.1047, 46.9893, 6.2182



54.5190, 72.2066, 11.0642



15.8617, 16.6463, 15.8958



25.1752, 22.0447, 2.9282



2.0680, 1.9133, 0.2603

Inverse Universe

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



18.3237, 12.6547, 80.0734



21.9922, 15.1044, 96.3641



15.5709, 6.2951, 78.9909



14.6825, 15.4515, 19.1308



10.3087, 7.2645, 44.6018



0.8984, 0.7483, 3.5320

Previews

White Background



This preview shows how the XYZ color 45.0084, 39.1571, 5.1859 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 45.0084, 39.1571, 5.1859 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 45.0084, 39.1571, 5.1859

Background



This preview shows how black text looks on a background with the XYZ color 45.0084, 39.1571, 5.1859.



This preview shows how white text looks on a background with the XYZ color 45.0084, 39.1571,

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

45.0084, 39.1571, 5.1859

Protanopia

35.5243, 39.3636, 6.2559

Deuteranopia

40.0114, 39.2877, 5.4745



Tritanopia

50.9331, 39.3359, 33.3419

Trichromacy



Original Color

45.0084, 39.1571, 5.1859

Protanomaly

38.4343, 38.9866, 5.8161

Deuteranomaly

41.7073, 39.1491, 5.3583

Tritanomaly

47.4846, 38.8219, 15.8171

Monochromacy



Original Color

45.0084, 39.1571, 5.1859

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.3200, 34.8214, 17.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0084, 39.1571, 5.1859 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(235, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 149, 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(235, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.0084, 39.1571, 5.1859 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(235, 149, 0) }
```


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

```
.border{ border-color:rgb(235, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0084, 39.1571, 5.1859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 149, 0) }
```

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

```
.background{ background-color: rgb(235,  
149, 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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