

Converting Colors

XYZ(46.1155, 39.3886, 5.1722)

Have a look what the booklet for
XYZ(46.1155, 39.3886, 5.1722)
contains.

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Color

**XYZ(46.1865, 39.5305,
5.1959)**

Conversions

Conversions Part 1

Format	Color
Hex	EF9400
RGB	239, 148, 0
RGB Percent	94%, 58%, 0%
CMY	0.0627, 0.4196, 0.9999
CMYK	0.00, 0.38, 1.00, 0.06
HSL	37°, 100%, 47%
HSV	37°, 100%, 94%
XYZ	46.1865, 39.5305, 5.1959
YIQ	158.3370, 101.7440, -26.7360

Conversions

Conversions Part 2

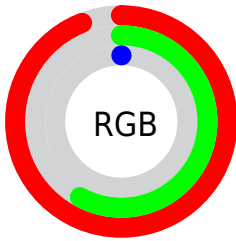
Format	Color
R_{YB}	147, 239, 0
Decimal	15700992
CIE _{Lab}	69.13, 26.14, 74.24
CIE _{LCh}	69, 78.706, 70.605
Yxy	39.5305, 0.5080, 0.4348
Android (android.graphics.Color)	4293891072 (0xFFEF9400)
YUV	158.3370, -78.0601, 70.7415
Hunter-Lab	62.8733, 21.0972, 39.1115

Details

The XYZ color **46.1865, 39.5305, 5.1959** 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 **19.3217, 13.7153, 83.2896**, and the grayscale version is **32.9658, 34.6826, 37.7694**.

A 20% lighter version of the original color is **63.6305, 64.0091, 15.6579**, and **22.1792, 17.7795, 2.2628** is the 20% darker color. If you saturate the color by 10%, you get **46.1864, 39.5308, 5.1959**, and if you desaturate by 10%, it is **47.8353, 42.5662, 6.5544**.

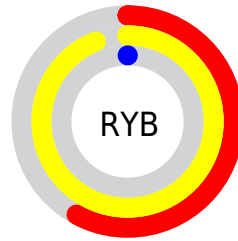
Distribution



Red (94%)

Green (58%)

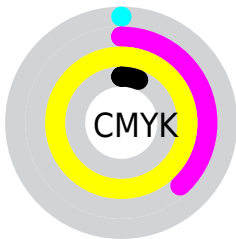
Blue (0%)



Red (58%)

Yellow (94%)

Blue (0%)

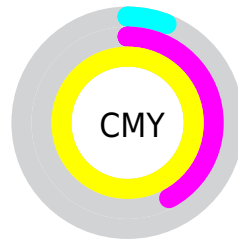


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1865, 39.5305, 5.1959 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 46.1865, 39.5305, 5.1959 by changing the saturation by 10% instead.


 46.1865, 39.5305,
5.1959


 46.1865, 39.5305,
5.1959


362.2613,
344.1407, 160.7121


 32.5983, 27.1727,
2.3019


 83.7242, 74.4480,
16.6854


 21.9766, 17.7029,
0.7323


 108.4044, 97.7766,
26.1181

 13.9562, 10.7369,
0.0000


 137.5126,
125.5307, 38.5674

 8.1717, 5.8902,
0.0000

 171.4141,
158.0950, 54.4518

 4.2578, 2.7784,
0.0000

 210.4744,
195.8537, 74.1900


 1.8490, 1.0172,
0.0000

 255.0588,


 0.5469, 0.0000,


239.1913, 98.2004


0.0000


 305.5327,
288.4922, 126.9016


 0.0000, 0.0000,
0.0000


 46.1865, 39.5305,
5.1959


 46.1865, 39.5305,
5.1959


 46.1864, 39.5308,
5.1959

 47.8353, 42.5662,
6.5544

 49.7998, 45.9100,
9.0130

 52.1463, 49.5940,
12.9063

 54.9148, 53.6379,
18.4322

 58.1390, 58.0588,
25.7572

■ 61.8485, 62.8721,
35.0270

■ 66.0703, 68.0919,
46.3722

■ 70.8288, 73.7316,
59.9121

■ 76.1470, 79.8034,
75.7567

Harmonies

Analogous

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



59.0786, 39.5305, 11.8760



46.1865, 39.5305, 5.1959



33.2968, 39.5305, 4.5534

Triad

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



46.1865, 39.5305, 5.1959



18.4671, 39.5305, 57.0826



55.6058, 39.5305, 119.9131

Complementary

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



46.1865, 39.5305, 5.1959



19.3217, 13.7153, 83.2896

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.



42.1996, 39.5305, 153.2681



46.1865, 39.5305, 5.1959



22.0443, 39.5305, 105.6601

Square

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



46.1865, 39.5305, 5.1959



19.0709, 39.5305, 23.9002



30.1023, 39.5305, 146.9517



65.3012, 39.5305, 70.3724

Rectangle

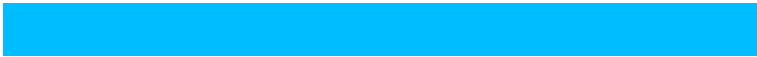
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1865, 39.5305, 5.1959



26.5594, 39.5305, 6.7207



30.1023, 39.5305, 146.9517



51.2737, 39.5305, 134.3699

Sweetspot

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



46.1874, 39.5326, 5.1966



76.4880, 78.8182, 53.5652



37.5119, 19.1170, 11.7524



15.9134, 16.3106, 10.2126



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.



46.1874, 39.5326, 5.1966



53.4515, 45.6830, 6.0005



57.7640, 75.5988, 11.5480



16.5880, 17.3892, 16.6319



25.6545, 22.1070, 2.9149



2.2299, 2.0305, 0.2744

Inverse Universe

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



19.3217, 13.7153, 83.2896



22.3330, 15.7860, 96.4777



16.0561, 6.4777, 82.0647



15.3905, 16.2152, 20.0403



10.7941, 7.8123, 46.0669



0.9911, 0.8362, 3.8634

Previews

White Background



This preview shows how the XYZ color 46.1865, 39.5305, 5.1959 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 46.1865, 39.5305, 5.1959 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 46.1865, 39.5305, 5.1959

Background



This preview shows how black text looks on a background with the XYZ color 46.1865, 39.5305, 5.1959.



This preview shows how white text looks on a background with the XYZ color 46.1865, 39.5305,

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

46.1865, 39.5305, 5.1959

Protanopia

35.9698, 39.8695, 6.3720

Deuteranopia

40.4764, 39.7859, 5.5461



Tritanopia

52.0900, 39.7276, 32.9397

Trichromacy



Original Color

46.1865, 39.5305, 5.1959

Protanomaly

38.9932, 39.2747, 5.8422

Deuteranomaly

42.3199, 39.4649, 5.3870

Tritanomaly

48.6555, 39.2088, 15.5933

Monochromacy



Original Color

46.1865, 39.5305, 5.1959

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.3981, 34.6156, 17.1804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1865, 39.5305, 5.1959 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(239, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 148, 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(239, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.1865, 39.5305, 5.1959 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(239, 148, 0) }
```


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

```
.border{ border-color:rgb(239, 148, 0) }
```

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

Here you see how a box with a 4 pixel rgb(239, 148, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 148,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1865, 39.5305, 5.1959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 148, 0) }
```

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

```
.background{ background-color: rgb(239,  
148, 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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