

Converting Colors

XYZ(47.4369, 39.0773, 5.0425)

Have a look what the booklet for
XYZ(47.4369, 39.0773, 5.0425)
contains.

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Color

**XYZ(47.4786, 39.0574,
5.0364)**

Conversions

Conversions Part 1

Format	Color
Hex	F58F00
RGB	245, 143, 0
RGB Percent	96%, 56%, 0%
CMY	0.0392, 0.4392, 1.0000
CMYK	0.00, 0.42, 1.00, 0.04
HSL	35°, 100%, 48%
HSV	35°, 100%, 96%
XYZ	47.4786, 39.0574, 5.0364
YIQ	157.1960, 106.6950, -22.8490

Conversions

Conversions Part 2

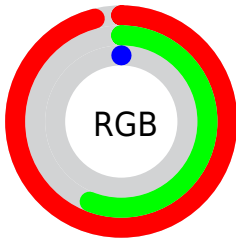
Format	Color
R_{YB}	175, 245, 0
Decimal	16092928
CIE _{Lab}	68.79, 31.24, 74.40
CIE _{LCh}	69, 80.693, 67.224
Yxy	39.0574, 0.5185, 0.4265
Android (android.graphics.Color)	4294283008 (0xFFFF58F00)
YUV	157.1960, -77.4976, 77.0041
Hunter-Lab	62.4959, 26.2399, 38.9691

Details

The XYZ color **47.4786, 39.0574, 5.0364** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **21.2330, 16.0957, 88.3730**, and the grayscale version is **32.4424, 34.1320, 37.1697**.

A 20% lighter version of the original color is **62.4763, 61.7005, 15.2731**, and **23.1185, 17.5994, 2.1785** is the 20% darker color. If you saturate the color by 10%, you get **47.4787, 39.0581, 5.0366**, and if you desaturate by 10%, it is **49.2512, 42.3307, 6.4671**.

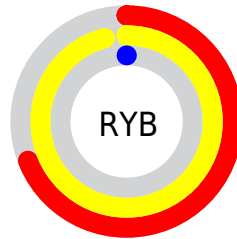
Distribution



Red (96%)

Green (56%)

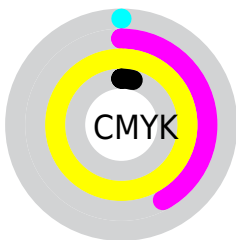
Blue (0%)



Red (69%)

Yellow (96%)

Blue (0%)

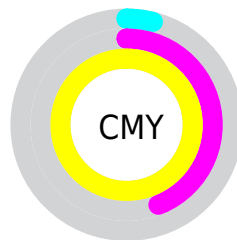


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (44%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4786, 39.0574, 5.0364 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 47.4786, 39.0574, 5.0364 by changing the saturation by 10% instead.


 47.4786, 39.0574,
5.0364


 47.4786, 39.0574,
5.0364


367.3388,
342.1345, 159.1294


 33.6237, 26.8044,
2.2095


 85.6420, 73.7260,
16.3371


 22.7662, 17.4264,
0.6799


 110.6812, 96.9104,
25.6480


 14.5407, 10.5389,
0.0000


 140.1792,
124.5073, 37.9574

 8.5819, 5.7577,
0.0000

 174.5013,
156.9012, 53.6837

 4.5244, 2.6983,
0.0000

 214.0130,
194.4765, 73.2455

 2.0029, 0.9763,
0.0000

 259.0796,


 0.6356, 0.0000,


237.6175, 97.0613

0.0000


 310.0664,
286.7087, 125.5498


 0.0000, 0.0000,
0.0000


 47.4786, 39.0574,
5.0364


 47.4786, 39.0574,
5.0364


 47.4787, 39.0581,
5.0366

 49.2512, 42.3307,
6.4671

 51.3799, 45.9732,
9.0726

 53.9355, 50.0203,
13.2046

 56.9611, 54.4947,
19.0742

 60.4934, 59.4161,
26.8586

64.5647, 64.8024,
36.7131

69.2043, 70.6702,
48.7767

74.4391, 77.0349,
63.1763

80.2939, 83.9110,
80.0291

Harmonies

Analogous

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



60.3459, 39.0574, 12.5686



47.4786, 39.0574, 5.0364



34.1160, 39.0574, 3.9382

Triad

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



47.4786, 39.0574, 5.0364



17.6825, 39.0574, 52.0107



54.0722, 39.0574, 126.8557

Complementary

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



47.4786, 39.0574, 5.0364



21.2330, 16.0957, 88.3730

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.



40.3014, 39.0574, 157.6235



47.4786, 39.0574, 5.0364



20.7841, 39.0574, 100.9324

Square

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



47.4786, 39.0574, 5.0364



18.7537, 39.0574, 20.6757



28.3944, 39.0574, 146.1040



64.7223, 39.0574, 76.0285

Rectangle

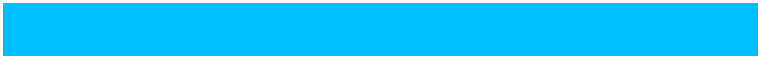
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4786, 39.0574, 5.0364



26.9723, 39.0574, 5.6142



28.3944, 39.0574, 146.1040



49.5457, 39.0574, 140.9080

Sweetspot

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



47.4795, 39.0595, 5.0371



75.7545, 77.3512, 53.3207



40.0586, 20.3736, 14.4147



15.7388, 15.9615, 10.1544



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.



47.4795, 39.0595, 5.0371



51.9622, 42.7045, 5.5041



63.5737, 81.2448, 12.3314



17.3028, 18.0897, 17.3773



25.7179, 21.3214, 2.7600



2.3617, 2.0766, 0.2763

Inverse Universe

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



21.2330, 16.0957, 88.3730



23.2205, 17.5610, 96.7735



16.7786, 6.7460, 86.8031



16.1480, 17.0602, 20.9844



11.5676, 8.9290, 47.6518



1.1157, 0.9827, 4.2211

Previews

White Background



This preview shows how the XYZ color 47.4786, 39.0574, 5.0364 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 47.4786, 39.0574, 5.0364 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 47.4786, 39.0574, 5.0364

Background



This preview shows how black text looks on a background with the XYZ color 47.4786, 39.0574, 5.0364.



This preview shows how white text looks on a background with the XYZ color 47.4786, 39.0574,

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

47.4786, 39.0574, 5.0364

Protanopia

35.5407, 39.3701, 6.3421

Deuteranopia

40.0114, 39.2877, 5.4745



Tritanopia

52.7698, 39.0822, 30.7490

Trichromacy



Original Color

47.4786, 39.0574, 5.0364

Protanomaly

39.2155, 38.8698, 5.7836

Deuteranomaly

42.6069, 39.1188, 5.3050

Tritanomaly

49.5454, 38.6031, 14.7373

Monochromacy



Original Color

47.4786, 39.0574, 5.0364

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.5148, 34.1954, 16.8378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4786, 39.0574, 5.0364 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(245, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 143, 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(245, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 143, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.4786, 39.0574, 5.0364 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(245, 143, 0) }
```


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

```
.border{ border-color:rgb(245, 143, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 143, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 143,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4786, 39.0574, 5.0364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 143, 0) }
```

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

```
.background{ background-color: rgb(245,  
143, 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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