

Converting Colors

XYZ(47.4614, 39.6361, 7.0297)

Have a look what the booklet for
XYZ(47.4614, 39.6361, 7.0297)
contains.

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Color

**XYZ(47.6072, 39.7589,
7.0845)**

Conversions

Conversions Part 1

Format	Color
Hex	F39227
RGB	243, 146, 39
RGB Percent	95%, 57%, 15%
CMY	0.0471, 0.4274, 0.8470
CMYK	0.00, 0.40, 0.84, 0.05
HSL	31°, 89%, 55%
HSV	31°, 84%, 95%
XYZ	47.6072, 39.7589, 7.0845
YIQ	162.8050, 92.1590, -12.7130

Conversions

Conversions Part 2

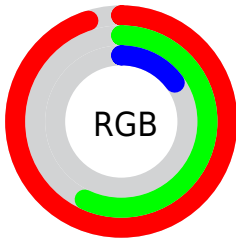
Format	Color
R _Y B	224, 243, 39
Decimal	15962663
CIE Lab	69.30, 29.42, 66.62
CIE LCh	69, 72.830, 66.173
Yxy	39.7589, 0.5040, 0.4209
Android (android.graphics.Color)	4294152743 (0xFF39227)
YUV	162.8050, -61.0359, 70.3310
Hunter-Lab	63.0547, 24.4245, 37.4767

Details

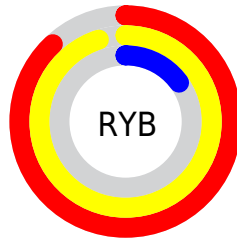
The XYZ color **47.6072, 39.7589, 7.0845** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **25.8180, 24.5096, 88.1634**, and the grayscale version is **34.9703, 36.7915, 40.0659**.

A 20% lighter version of the original color is **63.9598, 63.3948, 19.6918**, and **23.1483, 18.0082, 2.2559** is the 20% darker color. If you saturate the color by 10%, you get **45.6339, 36.2640, 5.0354**, and if you desaturate by 10%, it is **50.0196, 43.7210, 10.5499**.

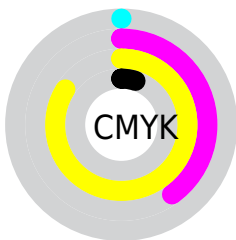
Distribution



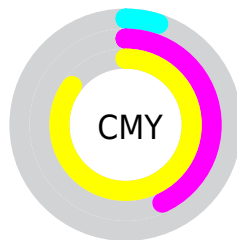
- Red (95%)
- Green (57%)
- Blue (15%)



- Red (88%)
- Yellow (95%)
- Blue (15%)



- Cyan (0%)
- Magenta (40%)
- Yellow (84%)
- Black (5%)





- Cyan (5%)
- Magenta (43%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6072, 39.7589, 7.0845 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 47.6072, 39.7589, 7.0845 by changing the saturation by 10% instead.


 47.6072, 39.7589,
7.0845


 47.6072, 39.7589,
7.0845


367.8416,
345.1063, 178.0215

 33.7259, 27.3506,
3.4358


 85.8325, 74.7962,
20.6588


 22.8450, 17.8367,
1.3212


 110.9072, 98.1941,
31.4214


 14.5992, 10.8328,
0.0791


 140.4438,
126.0239, 45.3923

 8.6230, 5.9545,
0.0000

 174.8075,
158.6701, 62.9902

 4.5513, 2.8175,
0.0000

 214.3638,
196.5170, 84.6335

 2.0185, 1.0372,
0.0000

 259.4780,

 0.6443, 0.0000,

239.9491, 110.7408

0.0000

310.5155,
289.3507, 141.7306

■ 0.0000, 0.0000,
0.0000

■ 47.6072, 39.7589,
7.0845

■ 47.6072, 39.7589,
7.0845

■ 45.6339, 36.2640,
5.0354

■ 50.0196, 43.7210,
10.5499


■ 44.6110, 34.3529,
4.2795


■ 52.9162, 48.1711,
15.6557


■ 56.3376, 53.1352,
22.5879


■ 60.3186, 58.6347,
31.5070

■ 64.8907, 64.6894,
42.5553

 70.0824, 71.3177,
55.8622

 75.9203, 78.5373,
71.5465

 82.4293, 86.3644,
89.7187

 89.1944, 94.6397,
108.1740

Harmonies

Analogous

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



58.9714, 39.7589, 15.3443



47.6072, 39.7589, 7.0845



35.4258, 39.7589, 5.6633

Triad

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



47.6072, 39.7589, 7.0845



19.5710, 39.7589, 50.5817



52.6548, 39.7589, 118.7302

Complementary

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



47.6072, 39.7589, 7.0845



25.8180, 24.5096, 88.1634

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.



40.2564, 39.7589, 143.8838



47.6072, 39.7589, 7.0845



22.4055, 39.7589, 93.4290

Square

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



47.6072, 39.7589, 7.0845



20.7441, 39.7589, 22.1599



29.4241, 39.7589, 132.8034



62.2805, 39.7589, 74.8174

Rectangle

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



47.6072, 39.7589, 7.0845



28.7243, 39.7589, 7.4227



29.4241, 39.7589, 132.8034



48.5860, 39.7589, 130.4673

Sweetspot

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



47.6081, 39.7610, 7.0852



77.5128, 78.7152, 60.5428



42.2461, 22.3293, 25.9772



16.1429, 16.2803, 11.7979



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.



47.6081, 39.7610, 7.0852



49.7316, 38.2431, 4.7605



68.2158, 82.7023, 14.2876



17.2185, 17.9211, 17.3492



24.6205, 19.1265, 2.3942



2.2668, 1.8868, 0.2447

Inverse Universe

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



25.8180, 24.5096, 88.1634



24.9169, 20.9539, 97.3390



17.8746, 8.4231, 85.4770



16.2311, 17.2264, 21.0121



12.4104, 10.6146, 47.9327



1.1929, 1.1373, 4.2469

Previews

White Background



This preview shows how the XYZ color 47.6072, 39.7589, 7.0845 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 47.6072, 39.7589, 7.0845 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 47.6072, 39.7589, 7.0845

Background



This preview shows how black text looks on a background with the XYZ color 47.6072, 39.7589, 7.0845.



This preview shows how white text looks on a background with the XYZ color 47.6072, 39.7589,

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

47.6072, 39.7589, 7.0845

Protanopia

36.0836, 39.8861, 8.2796

Deuteranopia

40.7237, 39.8848, 6.8485



Tritanopia

52.7039, 39.6401, 32.0676

Trichromacy



Original Color

47.6072, 39.7589, 7.0845

Protanomaly

39.4754, 39.2195, 7.7750

Deuteranomaly

43.2285, 39.9000, 6.9364

Tritanomaly

50.0380, 39.4105, 18.8796

Monochromacy



Original Color

47.6072, 39.7589, 7.0845

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.0652, 36.6284, 22.2560

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6072, 39.7589, 7.0845 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(243, 146, 39)` looks like.

```
.text, #text, p{  
    color:rgb(243, 146, 39)  
}
```

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(243, 146, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 146, 39) }
```

Border

The CSS property to change the border of an element to XYZ 47.6072, 39.7589, 7.0845 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(243, 146, 39) }
```


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

```
.border{ border-color:rgb(243, 146, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 146, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 146, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 146, 39);  
box-shadow:4px 4px 4px 4px rgb(243, 146,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6072, 39.7589, 7.0845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 146, 39) }
```

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

```
.background{ background-color: rgb(243,  
146, 39) }
```

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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