

Converting Colors

XYZ(47.9429, 38.7609, 4.9547)

Have a look what the booklet for
XYZ(47.9429, 38.7609, 4.9547)
contains.

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Color

**XYZ(47.8826, 38.8239,
4.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	F78D00
RGB	247, 141, 0
RGB Percent	97%, 55%, 0%
CMY	0.0314, 0.4470, 1.0000
CMYK	0.00, 0.43, 1.00, 0.03
HSL	34°, 100%, 48%
HSV	34°, 100%, 97%
XYZ	47.8826, 38.8239, 4.9701
YIQ	156.6200, 108.4370, -21.3790

Conversions

Conversions Part 2

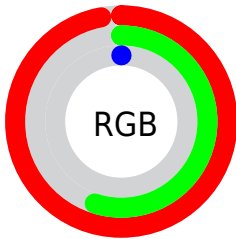
Format	Color
RYB	186, 247, 0
Decimal	16223488
CIELab	68.62, 33.09, 74.43
CIElCh	69, 81.451, 66.029
Yxy	38.8239, 0.5223, 0.4235
Android (android.graphics.Color)	4294413568 (0xFFFF78D00)
YUV	156.6200, -77.2137, 79.2633
Hunter-Lab	62.3088, 28.1318, 38.8869

Details

The XYZ color **47.8826, 38.8239, 4.9701** 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 **21.9429, 17.0243, 90.1243**, and the grayscale version is **32.1805, 33.8564, 36.8696**.

A 20% lighter version of the original color is **62.0251, 60.7982, 15.1228**, and **23.4233, 17.5027, 2.1438** is the 20% darker color. If you saturate the color by 10%, you get **47.8826, 38.8244, 4.9702**, and if you desaturate by 10%, it is **49.6944, 42.1721, 6.4244**.

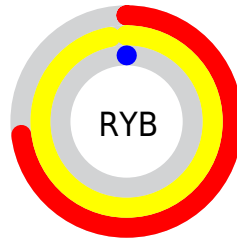
Distribution



Red (97%)

Green (55%)

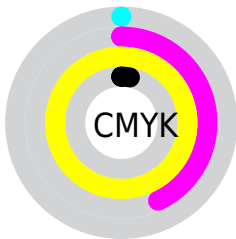
Blue (0%)



Red (73%)

Yellow (97%)

Blue (0%)

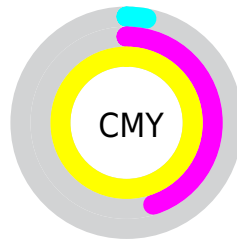


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8826, 38.8239, 4.9701 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 47.8826, 38.8239, 4.9701 by changing the saturation by 10% instead.


 47.8826, 38.8239,
4.9701


 47.8826, 38.8239,
4.9701


368.9169,
341.1412, 158.4647


 33.9448, 26.6228,
2.1713


 86.2403, 73.3692,
16.1916


 23.0139, 17.2901,
0.6577


 111.3910, 96.4822,
25.4514


 14.7245, 10.4415,
0.0000


 141.0099,
124.0012, 37.7020

 8.7113, 5.6927,
0.0000

 175.4626,
156.3107, 53.3618

 4.6090, 2.6591,
0.0000

 215.1142,
193.7951, 72.8494


 2.0521, 0.9565,
0.0000

 260.3303,


 0.6630, 0.0000,


236.8387, 96.5835


0.0000


 311.4760,
285.8259, 124.9824


 0.0000, 0.0000,
0.0000


 47.8826, 38.8239,
4.9701


 47.8826, 38.8239,
4.9701


 47.8826, 38.8244,
4.9702

 49.6944, 42.1721,
6.4244

 51.8773, 45.9128,
9.0794

 54.5037, 50.0829,
13.2927

 57.6180, 54.7060,
19.2799

 61.2578, 59.8031,
27.2219

■ 65.4566, 65.3930,
37.2772

■ 70.2444, 71.4932,
49.5877

■ 75.6490, 78.1200,
64.2831

■ 81.6961, 85.2888,
81.4829

Harmonies

Analogous

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



60.7200, 38.8239, 12.8074



47.8826, 38.8239, 4.9701



34.3648, 38.8239, 3.7210

Triad

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



47.8826, 38.8239, 4.9701



17.3726, 38.8239, 50.1535



53.4347, 38.8239, 129.2653

Complementary

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



47.8826, 38.8239, 4.9701



21.9429, 17.0243, 90.1243

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.



39.5589, 38.8239, 158.9970



47.8826, 38.8239, 4.9701



20.3023, 38.8239, 99.0857

Square

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



47.8826, 38.8239, 4.9701



18.6083, 38.8239, 19.5404



27.7415, 38.8239, 145.5733



64.4114, 38.8239, 78.0515

Rectangle

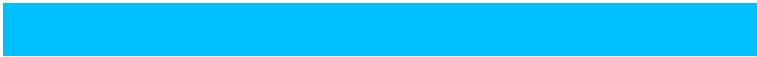
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.8826, 38.8239, 4.9701



27.0813, 38.8239, 5.2326



27.7415, 38.8239, 145.5733



48.8467, 38.8239, 143.1355

Sweetspot

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



47.8835, 38.8260, 4.9708



75.4929, 76.8279, 53.2335



41.0135, 20.8366, 15.7812



15.6766, 15.8372, 10.1337



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.



47.8835, 38.8260, 4.9708



51.4527, 41.6853, 5.3342



66.0650, 83.4322, 12.6224



17.2845, 18.0531, 17.3712



25.4676, 20.8209, 2.6765



2.3403, 2.0338, 0.2692

Inverse Universe

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



21.9429, 17.0243, 90.1243



23.5647, 18.2493, 96.8882



17.0104, 6.8300, 88.4166



16.1659, 17.0961, 20.9904



11.7391, 9.2719, 47.7090



1.1316, 1.0147, 4.2264

Previews

White Background



This preview shows how the XYZ color 47.8826, 38.8239, 4.9701 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 47.8826, 38.8239, 4.9701 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 47.8826, 38.8239, 4.9701

Background



This preview shows how black text looks on a background with the XYZ color 47.8826, 38.8239, 4.9701.



This preview shows how white text looks on a background with the XYZ color 47.8826, 38.8239,

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

47.8826, 38.8239, 4.9701

Protanopia

35.1152, 38.8746, 6.3146

Deuteranopia

39.5495, 38.7933, 5.4034



Tritanopia

52.9948, 38.8215, 29.5111

Trichromacy



Original Color

47.8826, 38.8239, 4.9701

Protanomaly

38.8778, 38.1844, 5.7020

Deuteranomaly

42.2796, 38.4640, 5.1959

Tritanomaly

49.8915, 38.3732, 14.2284

Monochromacy



Original Color

47.8826, 38.8239, 4.9701

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

34.6021, 34.0005, 16.7956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8826, 38.8239, 4.9701 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(247, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 141, 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(247, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 141, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.8826, 38.8239, 4.9701 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(247, 141, 0) }
```


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

```
.border{ border-color:rgb(247, 141, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 141, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 141,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8826, 38.8239, 4.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 141, 0) }
```

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

```
.background{ background-color: rgb(247,  
141, 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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