

Converting Colors

XYZ(48.5943, 39.7046, 7.3423)

Have a look what the booklet for
XYZ(48.5943, 39.7046, 7.3423)
contains.

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Color

**XYZ(48.7671, 39.8951,
7.4157)**

Conversions

Conversions Part 1	
Format	Color
Hex	F7902B
RGB	247, 144, 43
RGB Percent	97%, 56%, 17%
CMY	0.0314, 0.4353, 0.8314
CMYK	0.00, 0.42, 0.83, 0.03
HSL	30°, 93%, 57%
HSV	30°, 83%, 97%
XYZ	48.7671, 39.8951, 7.4157
YIQ	163.2830, 93.8090, -9.5750

Conversions

Conversions Part 2

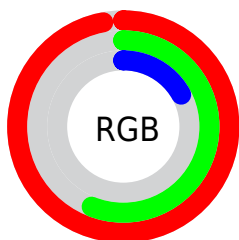
Format	Color
RYB	247, 243, 43
Decimal	16224299
CIELab	69.39, 32.20, 65.56
CIELCh	69, 73.038, 63.840
Yxy	39.8951, 0.5076, 0.4152
Android (android.graphics.Color)	4294414379 (0xFFFF7902B)
YUV	163.2830, -59.2995, 73.4198
Hunter-Lab	63.1626, 27.2833, 37.2528

Details

The XYZ color **48.7671, 39.8951, 7.4157** 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 **28.0630, 27.7854, 91.8791**, and the grayscale version is **35.1885, 37.0210, 40.3159**.

A 20% lighter version of the original color is **63.6387, 62.5300, 20.2707**, and **23.6815, 18.0190, 2.2299** is the 20% darker color. If you saturate the color by 10%, you get **46.6578, 36.1959, 5.1128**, and if you desaturate by 10%, it is **51.3606, 44.1253, 11.2315**.

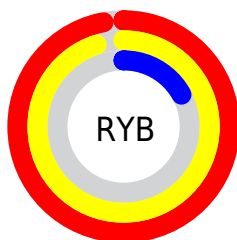
Distribution



Red (97%)

Green (56%)

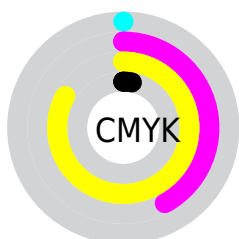
Blue (17%)



Red (97%)

Yellow (95%)

Blue (17%)

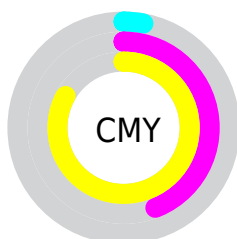


Cyan (0%)

Magenta (42%)

Yellow (83%)

Black (3%)



Cyan (3%)


Magenta (44%)


Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7671, 39.8951, 7.4157 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 48.7671, 39.8951, 7.4157 by changing the saturation by 10% instead.


 48.7671, 39.8951,
7.4157


 48.7671, 39.8951,
7.4157


372.3569,
345.6812, 180.8344

 34.6485, 27.4568,
3.6410


 87.5483, 75.0037,
21.3317

 23.5575, 17.9166,
1.4306


 112.9416, 98.4429,
32.3101


 15.1287, 10.8901,
0.1654


 142.8238,
126.3177, 46.5268

 8.9966, 5.9930,
0.0000

 177.5604,
159.0126, 64.4004

 4.7961, 2.8408,
0.0000

 217.5166,
196.9120, 86.3495

 2.1616, 1.0492,
0.0000


 263.0579,


 0.7224, 0.0000,


240.4003, 112.7924


0.0000


314.5495,
289.8619, 144.1479


 0.0000, 0.0000,
0.0000


 48.7671, 39.8951,
7.4157


 48.7671, 39.8951,
7.4157


 46.6578, 36.1959,
5.1128


 51.3606, 44.1253,
11.2315


 45.3534, 33.7659,
4.1271


 54.4853, 48.9104,
16.7869


 58.1835, 54.2789,
24.2718


 62.4922, 60.2551,
33.8505

 67.4445, 66.8613,
45.6697

 73.0709, 74.1186,
59.8625

 79.3995, 82.0466,
76.5518

 86.4569, 90.6642,
95.8516

 92.1675, 98.5140,
108.7651

Harmonies

Analogous

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



59.9279, 39.8951, 16.4682



48.7671, 39.8951, 7.4157



36.4275, 39.8951, 5.5957

Triad

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



48.7671, 39.8951, 7.4157



19.5617, 39.8951, 47.9135



51.9294, 39.8951, 122.2979

Complementary

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



48.7671, 39.8951, 7.4157



28.0630, 27.7854, 91.8791

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.



39.4509, 39.8951, 145.1338



48.7671, 39.8951, 7.4157



22.0905, 39.8951, 90.2997

Square

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



48.7671, 39.8951, 7.4157



21.0528, 39.8951, 20.7164



28.8124, 39.8951, 131.1342



62.0023, 39.8951, 78.6288

Rectangle

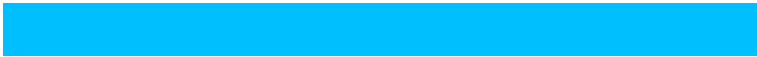
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7671, 39.8951, 7.4157



29.5078, 39.8951, 7.0804



28.8124, 39.8951, 131.1342



47.7938, 39.8951, 133.4589

Sweetspot

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



48.7680, 39.8972, 7.4164



77.0096, 77.7088, 60.3750



44.5986, 23.6529, 30.3987



16.0232, 16.0409, 11.7580



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.



48.7680, 39.8972, 7.4164



48.9139, 36.5855, 4.5569



71.0239, 84.4090, 14.8350



17.1768, 17.8378, 17.3353



24.1279, 18.1413, 2.2299



2.2233, 1.7998, 0.2302

Inverse Universe

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



28.0630, 27.7854, 91.8791



26.0652, 23.2031, 97.7126



18.7776, 9.2147, 88.7840



16.2726, 17.3096, 21.0260



12.8800, 11.5538, 48.0893



1.2349, 1.2211, 4.2609

Previews

White Background



This preview shows how the XYZ color 48.7671, 39.8951, 7.4157 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 48.7671, 39.8951, 7.4157 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 48.7671, 39.8951, 7.4157

Background



This preview shows how black text looks on a background with the XYZ color 48.7671, 39.8951, 7.4157.



This preview shows how white text looks on a background with the XYZ color 48.7671, 39.8951,

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

48.7671, 39.8951, 7.4157

Protanopia

36.4363, 40.0561, 8.8288

Deuteranopia

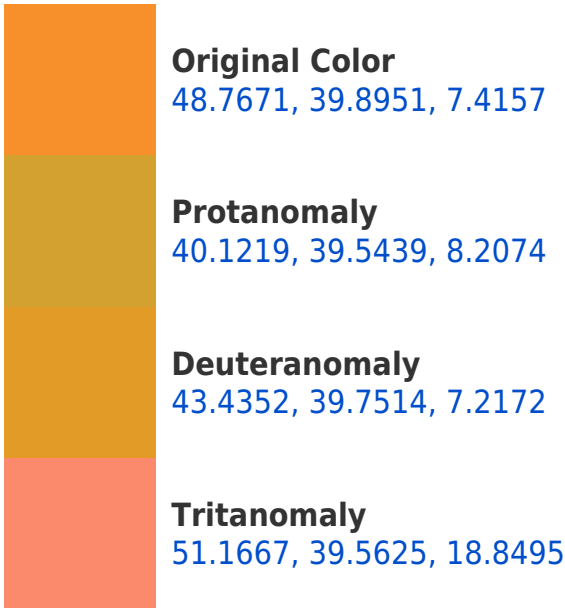
40.7798, 39.9072, 7.1436



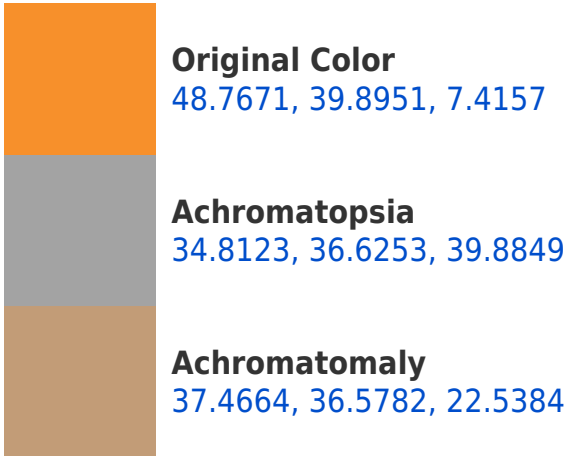
Tritanopia

53.8429, 40.0370, 31.2756

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7671, 39.8951, 7.4157 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, 144, 43)` looks like.

```
.text, #text, p{  
    color:rgb(247, 144, 43)  
}
```

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, 144, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 144, 43) }
```

Border

The CSS property to change the border of an element to XYZ 48.7671, 39.8951, 7.4157 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, 144, 43) }
```


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

```
.border{ border-color:rgb(247, 144, 43) }
```

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

Here you see how a box with a 4 pixel rgb(247, 144, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 144, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 144, 43);  
box-shadow:4px 4px 4px 4px rgb(247, 144,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7671, 39.8951, 7.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 144, 43) }
```

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

```
.background{ background-color: rgb(247,  
144, 43) }
```

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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