

Converting Colors

XYZ(81.7805, 55.2094, 9.0811)

Have a look what the booklet for
XYZ(81.7805, 55.2094, 9.0811)
contains.

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Color

**XYZ(50.5572, 39.0736,
7.5666)**

Conversions

Conversions Part 1

Format	Color
Hex	FF882F
RGB	255, 136, 47
RGB Percent	100%, 53%, 18%
CMY	0.0000, 0.4666, 0.8157
CMYK	0.00, 0.47, 0.82, 0.00
HSL	26°, 100%, 59%
HSV	26°, 82%, 100%
XYZ	50.5572, 39.0736, 7.5666
YIQ	161.4350, 99.4930, -2.4510

Conversions

Conversions Part 2

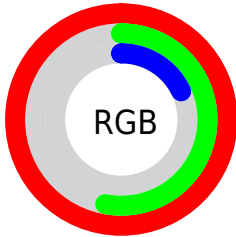
Format	Color
R _Y B	255, 203, 47
Decimal	16746543
CIE Lab	68.80, 39.58, 63.99
CIE LCh	69, 75.243, 58.258
Yxy	39.0736, 0.5201, 0.4020
Android (android.graphics.Color)	4294936623 (0xFFFF882F)
YUV	161.4350, -56.4165, 82.0565
Hunter-Lab	62.5089, 34.9803, 36.5793

Details

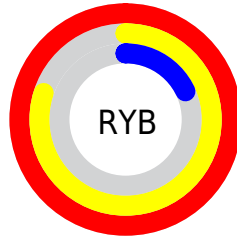
The XYZ color **50.5572, 39.0736, 7.5666** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **32.8573, 35.0944, 99.6489**, and the grayscale version is **34.3024, 36.0888, 39.3007**.

A 20% lighter version of the original color is **62.1711, 59.4417, 20.2532**, and **24.6562, 17.4170, 2.0623** is the 20% darker color. If you saturate the color by 10%, you get **48.2682, 35.0929, 4.9638**, and if you desaturate by 10%, it is **53.4275, 43.7378, 11.8435**.

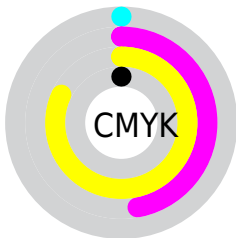
Distribution



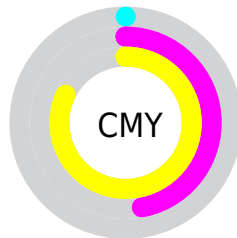
- Red (100%)
- Green (53%)
- Blue (18%)



- Red (100%)
- Yellow (80%)
- Blue (18%)



- Cyan (0%)
- Magenta (47%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (47%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5572, 39.0736, 7.5666 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 50.5572, 39.0736, 7.5666 by changing the saturation by 10% instead.


 50.5572, 39.0736,
7.5666


 50.5572, 39.0736,
7.5666


379.2570,
342.2033, 182.0978

 36.0759, 26.8170,
3.7351


 90.1868, 73.7507,
21.6363

 24.6632, 17.4358,
1.4812


 116.0658, 96.9401,
32.7116

 15.9537, 10.5457,
0.2039


 146.4749,
124.5424, 47.0386

 9.5821, 5.7623,
0.0000

 181.7792,
156.9422, 65.0358

 5.1829, 2.7011,
0.0000

 222.3442,
194.5237, 87.1218

 2.3908, 0.9777,
0.0000

 268.5353,

 0.8405, 0.0000,

237.6715, 113.7151

0.0000

320.7178,
286.7699, 145.2342

■ 0.0000, 0.0000,
0.0000

■ 50.5572, 39.0736,
7.5666

■ 50.5572, 39.0736,
7.5666

■ 48.2682, 35.0929,
4.9638

■ 53.4275, 43.7378,
11.8435

■ 46.7209, 32.2225,
3.7571

■ 56.9327, 49.1185,
18.0360

■ 61.1216, 55.2531,
26.3477

■ 66.0367, 62.1739,
36.9550

■ 71.7164, 69.9110,
50.0159

78.1964, 78.4924,
65.6741

85.5096, 87.9450,
84.0620

93.6870, 98.2940,
105.3032

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



61.2227, 39.0736, 18.4091



50.5572, 39.0736, 7.5666



37.8396, 39.0736, 4.8727

Triad

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



50.5572, 39.0736, 7.5666



18.6080, 39.0736, 40.5794



49.0888, 39.0736, 130.5827

Complementary

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



50.5572, 39.0736, 7.5666



32.8573, 35.0944, 99.6489

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.



36.4456, 39.0736, 147.7528



50.5572, 39.0736, 7.5666



20.3789, 39.0736, 81.8326

Square

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



50.5572, 39.0736, 7.5666



20.8497, 39.0736, 16.5011



26.3325, 39.0736, 126.4120



60.2552, 39.0736, 87.2972

Rectangle

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



50.5572, 39.0736, 7.5666



30.4065, 39.0736, 5.6870



26.3325, 39.0736, 126.4120



44.7969, 39.0736, 140.3655

Sweetspot

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



50.5581, 39.0757, 7.5673



76.5454, 76.3265, 61.6194



49.3553, 26.1327, 39.6519



15.8849, 15.6775, 11.9793



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.



50.5581, 39.0757, 7.5673



47.0662, 32.8677, 4.0099



72.2301, 82.4197, 14.7913



18.6485, 19.2651, 18.8800



24.5540, 17.1192, 2.0102



2.4965, 1.8784, 0.2310

Inverse Universe

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



32.8573, 35.0944, 99.6489



28.7136, 28.4525, 98.5863



21.0746, 11.5291, 95.7214



17.8658, 19.1032, 22.9956



14.9440, 14.7977, 51.5032



1.5635, 1.6577, 5.0508

Previews

White Background



This preview shows how the XYZ color 50.5572, 39.0736, 7.5666 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 50.5572, 39.0736, 7.5666 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 50.5572, 39.0736, 7.5666

Background



This preview shows how black text looks on a background with the XYZ color 50.5572, 39.0736, 7.5666.



This preview shows how white text looks on a background with the XYZ color 50.5572, 39.0736,

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

50.5572, 39.0736, 7.5666

Protanopia

35.6166, 39.3431, 9.3312

Deuteranopia

40.0561, 39.2722, 7.2194



Tritanopia

53.8101, 39.0602, 28.7480

Trichromacy



Original Color

50.5572, 39.0736, 7.5666

Protanomaly

39.8282, 38.3589, 8.5537

Deuteranomaly

43.4618, 38.7873, 7.2938

Tritanomaly

52.0411, 38.7824, 18.1075

Monochromacy



Original Color

50.5572, 39.0736, 7.5666

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.1241, 35.4146, 22.6484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5572, 39.0736, 7.5666 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(255, 136, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 47)  
}
```

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(255, 136, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 47) }
```

Border

The CSS property to change the border of an element to XYZ 50.5572, 39.0736, 7.5666 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(255, 136, 47) }
```


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

```
.border{ border-color:rgb(255, 136, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 136, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5572, 39.0736, 7.5666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 47) }
```

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

```
.background{ background-color: rgb(255,  
136, 47) }
```

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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