

Converting Colors

XYZ(49.3155, 39.2854, 7.6730)

Have a look what the booklet for
XYZ(49.3155, 39.2854, 7.6730)
contains.

XYZ(49.3155, 39.2854, 7.6730)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.3155, 39.2854,
7.6730)**

Conversions

Conversions Part 1

Format	Color
Hex	FA8C2F
RGB	250, 140, 47
RGB Percent	98%, 55%, 18%
CMY	0.0196, 0.4510, 0.8157
CMYK	0.00, 0.44, 0.81, 0.02
HSL	27°, 95%, 58%
HSV	27°, 81%, 98%
XYZ	49.3155, 39.2854, 7.6730
YIQ	162.2880, 95.4130, -5.6030

Conversions

Conversions Part 2

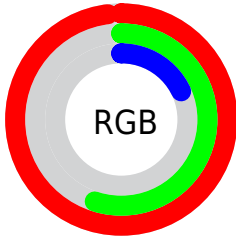
Format	Color
R _Y B	250, 219, 47
Decimal	16419887
CIE Lab	68.96, 35.58, 63.87
CIE LCh	69, 73.111, 60.878
Yxy	39.2854, 0.5122, 0.4081
Android (android.graphics.Color)	4294609967 (0xFFFA8C2F)
YUV	162.2880, -56.8370, 76.9234
Hunter-Lab	62.6781, 30.7583, 36.6164

Details

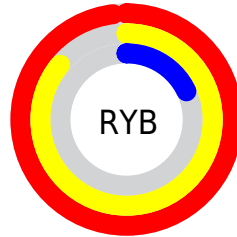
The XYZ color **49.3155, 39.2854, 7.6730** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **30.4838, 31.6188, 94.9381**, and the grayscale version is **34.7060, 36.5135, 39.7632**.

A 20% lighter version of the original color is **62.8807, 60.7832, 20.7301**, and **23.9832, 17.5442, 2.1223** is the 20% darker color. If you saturate the color by 10%, you get **47.0889, 35.4218, 5.1145**, and if you desaturate by 10%, it is **52.0759, 43.7559, 11.8325**.

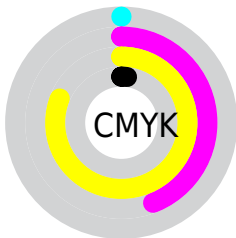
Distribution



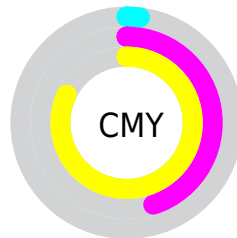
- Red (98%)
- Green (55%)
- Blue (18%)



- Red (98%)
- Yellow (86%)
- Blue (18%)



- Cyan (0%)
- Magenta (44%)
- Yellow (81%)
- Black (2%)





- Cyan (2%)
- Magenta (45%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3155, 39.2854, 7.6730 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 49.3155, 39.2854, 7.6730 by changing the saturation by 10% instead.


 49.3155, 39.2854,
7.6730


 49.3155, 39.2854,
7.6730


374.4794,
343.1024, 182.9820

 35.0854, 26.9818,
3.8017


 88.3578, 74.0741,
21.8503

 23.8955, 17.5596,
1.5172


 113.9006, 97.3280,
32.9934

 15.3804, 10.6343,
0.2307


 143.9451,
125.0009, 47.3975

 9.1749, 5.8215,
0.0000

 178.8566,
157.4770, 65.4812

 4.9134, 2.7368,
0.0000

 219.0004,
195.1408, 87.6629

 2.2308, 0.9959,
0.0000

 264.7419,

 0.7589, 0.0000,

238.3767, 114.3613

0.0000

316.4465,
287.5691, 145.9948

■ 0.0000, 0.0000,
0.0000

■ 49.3155, 39.2854,
7.6730

■ 49.3155, 39.2854,
7.6730

■ 47.0889, 35.4218,
5.1145

■ 52.0759, 43.7559,
11.8325


■ 45.5023, 32.4804,
3.8711


■ 55.4188, 48.8609,
17.8203


■ 59.3890, 54.6329,
25.8285


■ 64.0252, 61.0994,
36.0240

■ 69.3627, 68.2864,
48.5561

 75.4338, 76.2180,
63.5609

 82.2688, 84.9171,
81.1640

 89.8960, 94.4054,
101.4821

 93.2340, 99.0638,
108.8150

Harmonies

Analogous

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



60.0110, 39.2854, 17.6050



49.3155, 39.2854, 7.6730



36.9979, 39.2854, 5.3769

Triad

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



49.3155, 39.2854, 7.6730



19.1447, 39.2854, 43.7642



50.0335, 39.2854, 124.6583

Complementary

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



49.3155, 39.2854, 7.6730



30.4838, 31.6188, 94.9381

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.



37.6834, 39.2854, 144.0962



49.3155, 39.2854, 7.6730



21.2462, 39.2854, 84.7857

Square

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



49.3155, 39.2854, 7.6730



21.0117, 39.2854, 18.5625



27.4788, 39.2854, 126.6717



60.4825, 39.2854, 82.1313

Rectangle

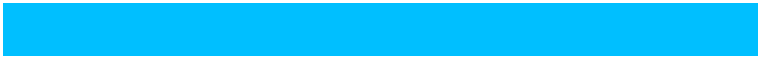
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.3155, 39.2854, 7.6730



29.9230, 39.2854, 6.5007



27.4788, 39.2854, 126.6717



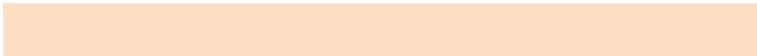
45.8904, 39.2854, 134.8670

Sweetspot

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



49.3164, 39.2875, 7.6737



77.0338, 77.3033, 61.7822



46.6684, 24.8483, 34.9789



16.0013, 15.9104, 12.0181



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.



49.3164, 39.2875, 7.6737



48.1163, 34.9455, 4.4288



71.0529, 82.7606, 14.9192



17.8998, 18.5355, 18.0967



24.2761, 17.5089, 2.1001



2.3530, 1.8308, 0.2294

Inverse Universe

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



30.4838, 31.6188, 94.9381



27.7704, 26.5187, 98.2627



19.8984, 10.4479, 91.4096



17.0623, 18.2014, 21.9992



13.9283, 13.2122, 49.7897



1.3960, 1.4357, 4.6467

Previews

White Background



This preview shows how the XYZ color 49.3155, 39.2854, 7.6730 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 49.3155, 39.2854, 7.6730 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 49.3155, 39.2854, 7.6730

Background



This preview shows how black text looks on a background with the XYZ color 49.3155, 39.2854, 7.6730.



This preview shows how white text looks on a background with the XYZ color 49.3155, 39.2854,

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

49.3155, 39.2854, 7.6730

Protanopia

35.8638, 39.4706, 9.3428

Deuteranopia

40.0884, 39.2851, 7.3894



Tritanopia

53.7230, 39.1969, 29.5452

Trichromacy



Original Color

49.3155, 39.2854, 7.6730

Protanomaly

39.7107, 38.5505, 8.5968

Deuteranomaly

43.1732, 39.1184, 7.4656

Tritanomaly

51.6346, 38.9734, 18.4369

Monochromacy



Original Color

49.3155, 39.2854, 7.6730

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

37.1939, 35.9366, 22.7454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3155, 39.2854, 7.6730 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(250, 140, 47)` looks like.

```
.text, #text, p{  
    color:rgb(250, 140, 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(250, 140, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 140, 47) }
```

Border

The CSS property to change the border of an element to XYZ 49.3155, 39.2854, 7.6730 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(250, 140, 47) }
```


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

```
.border{ border-color:rgb(250, 140, 47) }
```

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

Here you see how a box with a 4 pixel rgb(250, 140, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 140, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 140, 47);  
box-shadow:4px 4px 4px 4px rgb(250, 140,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3155, 39.2854, 7.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 140, 47) }
```

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

```
.background{ background-color: rgb(250,  
140, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor