

Converting Colors

XYZ(78.8241, 50.9911, 10.3288)

Have a look what the booklet for
XYZ(78.8241, 50.9911, 10.3288)
contains.

XYZ(49.2202, 35.7848, 9.0156)	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(49.2202, 35.7848,
9.0156)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7B3F
RGB	255, 123, 63
RGB Percent	100%, 48%, 25%
CMY	0.0000, 0.5176, 0.7529
CMYK	0.00, 0.52, 0.75, 0.00
HSL	19°, 100%, 62%
HSV	19°, 75%, 100%
XYZ	49.2202, 35.7848, 9.0156
YIQ	155.6280, 97.9320, 9.3240

Conversions

Conversions Part 2

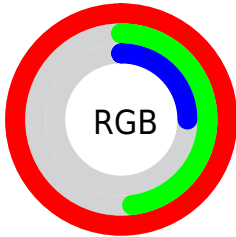
Format	Color
R_{YB}	255, 150, 63
Decimal	16743231
CIE _{Lab}	66.36, 46.54, 54.82
CIE _{LCh}	66, 71.910, 49.671
Yxy	35.7848, 0.5235, 0.3806
Android (android.graphics.Color)	4294933311 (0xFFFF7B3F)
YUV	155.6280, -45.6656, 87.1492
Hunter-Lab	59.8204, 42.1840, 32.9386

Details

The XYZ color **49.2202, 35.7848, 9.0156** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **39.6134, 47.3038, 101.6499**, and the grayscale version is **31.6017, 33.2475, 36.2065**.

A 20% lighter version of the original color is **60.1977, 54.3157, 23.2308**, and **23.7253, 15.4764, 1.9952** is the 20% darker color. If you saturate the color by 10%, you get **46.6820, 31.5974, 5.4304**, and if you desaturate by 10%, it is **52.4791, 40.8868, 14.4679**.

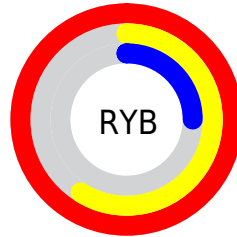
Distribution



Red (100%)

Green (48%)

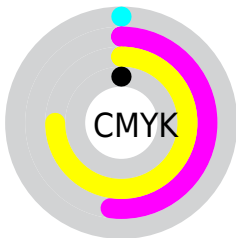
Blue (25%)



Red (100%)

Yellow (59%)

Blue (25%)

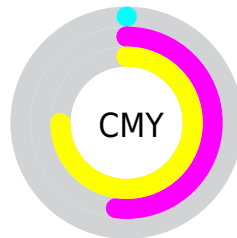


Cyan (0%)

Magenta (52%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2202, 35.7848, 9.0156 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 49.2202, 35.7848, 9.0156 by changing the saturation by 10% instead.


 49.2202, 35.7848,
9.0156


 49.2202, 35.7848,
9.0156

374.1111,
328.0190, 193.7166


 35.0094, 24.2680,
4.6544


 88.2172, 68.6998,
24.5049


 23.8367, 15.5326,
1.9908


 113.7341, 90.8668,
36.4701


 15.3366, 9.1940,
0.5496


 143.7504,
117.3527, 51.8070

 9.1438, 4.8679,
0.0000

 178.6316,
148.5418, 70.9342

 4.8930, 2.1700,
0.0000

 218.7429,
184.8186, 94.2702

 2.2187, 0.7036,
0.0000

264.4497,

 0.7526, 0.0000,

226.5675, 122.2336

0.0000

316.1173,
274.1728, 155.2429

■ 0.0000, 0.0000,
0.0000

■ 49.2202, 35.7848,
9.0156

■ 49.2202, 35.7848,
9.0156

■ 46.6820, 31.5974,
5.4304

■ 52.4791, 40.8868,
14.4679

■ 44.7916, 28.2573,
3.4413

■ 56.5157, 46.9520,
22.0041

■ 44.0863, 26.9529,
2.8788

■ 61.3835, 54.0323,
31.8128

■ 67.1300, 62.1737,
44.0607

■ 73.7987, 71.4191,
58.8988

81.4303, 81.8091,
76.4657

90.0626, 93.3821,
96.8901

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



57.4253, 35.7848, 22.2405



49.2202, 35.7848, 9.0156



37.8549, 35.7848, 4.9223

Triad

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



49.2202, 35.7848, 9.0156



17.4605, 35.7848, 29.2838



41.4556, 35.7848, 125.5161

Complementary

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



49.2202, 35.7848, 9.0156



39.6134, 47.3038, 101.6499

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.



30.4391, 35.7848, 131.0380



49.2202, 35.7848, 9.0156



18.0251, 35.7848, 62.4808

Square

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



49.2202, 35.7848, 9.0156



20.5628, 35.7848, 11.8369



22.3122, 35.7848, 103.7584



52.3289, 35.7848, 91.2042

Rectangle

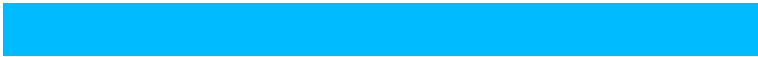
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2202, 35.7848, 9.0156



30.6568, 35.7848, 4.8926



22.3122, 35.7848, 103.7584



37.6042, 35.7848, 131.3033

Sweetspot

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



49.2210, 35.7868, 9.0162



75.4628, 73.6997, 62.6818



53.1413, 28.8647, 55.8346



15.5961, 15.0118, 12.1550



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.



49.2210, 35.7868, 9.0162



45.7166, 29.9238, 4.3146



66.8468, 71.0384, 14.8915



18.4725, 18.9132, 18.8213



23.1528, 14.3168, 1.5431



2.3470, 1.5793, 0.1811

Inverse Universe

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



39.6134, 47.3038, 101.6499



35.4531, 41.4126, 100.7326



24.7927, 17.6623, 96.7096



18.0479, 19.4674, 23.0563



17.6121, 20.1337, 52.3925



1.8125, 2.1557, 5.1338

Previews

White Background



This preview shows how the XYZ color 49.2202, 35.7848, 9.0156 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 49.2202, 35.7848, 9.0156 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 49.2202, 35.7848, 9.0156

Background



This preview shows how black text looks on a background with the XYZ color 49.2202, 35.7848, 9.0156.



This preview shows how white text looks on a background with the XYZ color 49.2202, 35.7848,

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

49.2202, 35.7848, 9.0156

Protanopia

32.7468, 35.9188, 11.6856

Deuteranopia

36.6023, 35.9436, 8.6231



Tritanopia

51.4843, 35.7232, 23.9204

Trichromacy



Original Color

49.2202, 35.7848, 9.0156

Protanomaly

37.4275, 34.8874, 10.5556

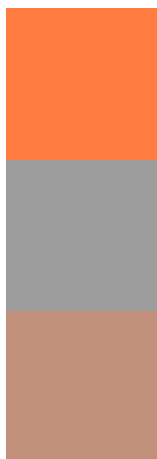
Deuteranomaly

40.4050, 35.3226, 8.6913

Tritanomaly

50.4047, 35.6722, 17.0608

Monochromacy



Original Color

49.2202, 35.7848, 9.0156

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.2243, 32.5581, 22.8402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2202, 35.7848, 9.0156 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, 123, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 123, 63)  
}
```

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, 123, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 123, 63) }
```

Border

The CSS property to change the border of an element to XYZ 49.2202, 35.7848, 9.0156 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, 123, 63) }
```


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

```
.border{ border-color:rgb(255, 123, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 123, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 123, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 123, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 123,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2202, 35.7848, 9.0156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 123, 63) }
```

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

```
.background{ background-color: rgb(255,  
123, 63) }
```

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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