

# Converting Colors

XYZ(55.2367, 39.1313, 11.6339)

Have a look what the booklet for  
XYZ(55.2367, 39.1313, 11.6339)  
contains.

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# Color

**XYZ(49.9132, 36.4631,  
11.4285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7D4D
RGB	255, 125, 77
RGB Percent	100%, 49%, 30%
CMY	0.0000, 0.5098, 0.6980
CMYK	0.00, 0.51, 0.70, 0.00
HSL	16°, 100%, 65%
HSV	16°, 70%, 100%
XYZ	49.9132, 36.4631, 11.4285
YIQ	158.3980, 92.8880, 12.6320

# Conversions

## Conversions Part 2

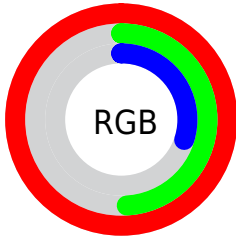
Format	Color
R <sub>YB</sub>	255, 143, 77
Decimal	16743757
CIE Lab	66.87, 46.19, 48.54
CIE LCh	67, 67.002, 46.424
Yxy	36.4631, 0.5103, 0.3728
Android (android.graphics.Color)	4294933837 (0xFFFF7D4D)
YUV	158.3980, -40.1292, 84.7200
Hunter-Lab	60.3847, 41.8726, 31.0480

# Details

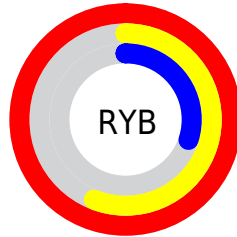
The XYZ color **49.9132, 36.4631, 11.4285** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **43.4215, 53.4197, 102.6296**, and the grayscale version is **32.8286, 34.5383, 37.6122**.

A 20% lighter version of the original color is **61.4575, 55.4610, 27.8880**, and **24.2652, 15.9250, 2.8935** is the 20% darker color. If you saturate the color by 10%, you get **47.0423, 31.8911, 6.8664**, and if you desaturate by 10%, it is **53.5804, 42.0640, 17.9963**.

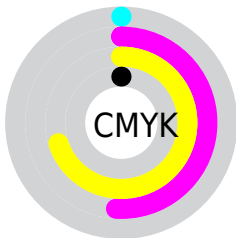
# Distribution



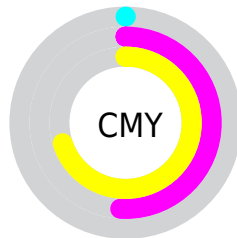
- Red (100%)
- Green (49%)
- Blue (30%)



- Red (100%)
- Yellow (56%)
- Blue (30%)



- Cyan (0%)
- Magenta (51%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9132, 36.4631, 11.4285 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 49.9132, 36.4631, 11.4285 by changing the saturation by 10% instead.



49.9132, 36.4631,  
11.4285

49.9132, 36.4631,  
11.4285

376.7840,  
330.9802, 211.4260

35.5620, 24.7921,  
6.2380

89.2388, 69.7463,  
29.0985

24.2646, 15.9222,  
2.9192

114.9440, 92.1272,  
42.4152

15.6558, 9.4691,  
1.0535

145.1644,  
118.8468, 59.2776

9.3702, 5.0484,  
0.0000

180.2655,  
150.2896, 80.1045

5.0425, 2.2757,  
0.0000

220.6127,  
186.8400, 105.3142

2.3072, 0.7608,  
0.0000

266.5713,

0.7984, 0.0000,

228.8822, 135.3253

0.0000

318.5066,  
276.8008, 170.5564

■ 0.0000, 0.0000,  
0.0000

■ 49.9132, 36.4631,  
11.4285

■ 49.9132, 36.4631,  
11.4285

■ 47.0423, 31.8911,  
6.8664

■ 53.5804, 42.0640,  
17.9963

■ 44.8966, 28.2751,  
4.0687

■ 58.1011, 48.7484,  
26.7696


■ 43.3793, 25.5346,  
2.6567

■ 63.5296, 56.5736,  
37.9259

■ 43.3540, 25.4885,  
2.6348

■ 69.9148, 65.5911,  
51.6238

■ 77.3017, 75.8490,  
68.0084

 85.7327, 87.3928,  
87.2135

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



56.9309, 36.4631, 25.9112



49.9132, 36.4631, 11.4285



39.4393, 36.4631, 6.3976

# Triad

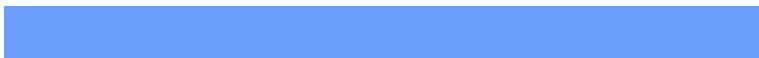
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.9132, 36.4631, 11.4285



18.9462, 36.4631, 27.9820



40.4689, 36.4631, 120.9859

# Complementary

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



49.9132, 36.4631, 11.4285



43.4215, 53.4197, 102.6296

# 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.



30.2780, 36.4631, 122.5027



49.9132, 36.4631, 11.4285



19.1145, 36.4631, 57.6809

# Square

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



49.9132, 36.4631, 11.4285



22.3614, 36.4631, 12.3060



22.8772, 36.4631, 95.4685



50.7926, 36.4631, 91.9877



# Rectangle

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



49.9132, 36.4631, 11.4285



32.5204, 36.4631, 6.0460



22.8772, 36.4631, 95.4685



36.8853, 36.4631, 125.0846

# Sweetspot

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



49.9140, 36.4651, 11.4291



76.3640, 74.5551, 65.9020



55.2215, 31.0989, 62.4660



15.8938, 15.3335, 13.0980



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.



49.9140, 36.4651, 11.4291



46.0581, 30.2613, 5.4931



66.4911, 69.6192, 16.9548



18.4079, 18.7839, 18.7998



22.7582, 13.5276, 1.4116



2.3016, 1.4886, 0.1660



# Inverse Universe

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



43.4215, 53.4197, 102.6296



38.9748, 47.7239, 101.7652



27.6521, 21.8808, 97.3732



18.1162, 19.6039, 23.0791



18.7613, 22.4321, 52.7756



1.9172, 2.3651, 5.1687



# Previews

## White Background



This preview shows how the XYZ color 49.9132, 36.4631, 11.4285 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 49.9132, 36.4631, 11.4285 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 49.9132, 36.4631, 11.4285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9132, 36.4631, 11.4285.



This preview shows how white text looks on a background with the XYZ color 49.9132, 36.4631,



# 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

49.9132, 36.4631, 11.4285

### Protanopia

33.5331, 36.5163, 14.9538

### Deuteranopia

37.1840, 36.4414, 10.8684



## Tritanopia

52.0398, 36.5197, 25.0751

# Trichromacy



## Original Color

49.9132, 36.4631, 11.4285

## Protanomaly

38.1193, 35.4162, 13.4212

## Deuteranomaly

40.9947, 35.7997, 11.0527

## Tritanomaly

51.0140, 36.3049, 19.0707

# Monochromacy



## Original Color

49.9132, 36.4631, 11.4285

## Achromatopsia

32.4990, 34.1914, 37.2345

## Achromatomaly

36.2337, 33.4802, 25.3215

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9132, 36.4631, 11.4285 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, 125, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 125, 77)  
}
```

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, 125, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 125, 77) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9132, 36.4631, 11.4285 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, 125, 77) }
```



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

```
.border{ border-color:rgb(255, 125, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 125, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 125, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 125, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 125,  
77) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9132, 36.4631, 11.4285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 125, 77) }
```

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

```
.background{ background-color: rgb(255,  
125, 77) }
```

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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