

# Converting Colors

XYZ(49.0762, 36.0859, 8.9361)

Have a look what the booklet for  
XYZ(49.0762, 36.0859, 8.9361)  
contains.

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# Color

**XYZ(49.0762, 36.0859,  
8.9361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE7D3E
RGB	254, 125, 62
RGB Percent	100%, 49%, 24%
CMY	0.0039, 0.5098, 0.7569
CMYK	0.00, 0.51, 0.76, 0.00
HSL	20°, 99%, 62%
HSV	20°, 76%, 100%
XYZ	49.0762, 36.0859, 8.9361
YIQ	156.3890, 97.1070, 7.7550

# Conversions

## Conversions Part 2

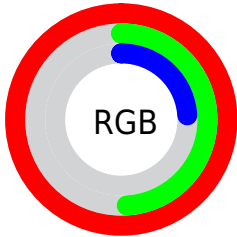
Format	Color
R <sub>Y</sub> B	254, 156, 62
Decimal	16678206
CIE Lab	66.59, 45.15, 55.47
CIE LCh	67, 71.528, 50.856
Yxy	36.0859, 0.5215, 0.3835
Android (android.graphics.Color)	4294868286 (0xFFFE7D3E)
YUV	156.3890, -46.5338, 85.6048
Hunter-Lab	60.0715, 40.7026, 33.2302

# Details

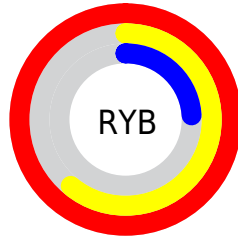
The XYZ color **49.0762, 36.0859, 8.9361** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.5052, 45.4384, 100.5063**, and the grayscale version is **31.9463, 33.6100, 36.6013**.

A 20% lighter version of the original color is **60.5419, 55.0948, 23.0662**, and **23.8361, 15.7242, 1.9511** is the 20% darker color. If you saturate the color by 10%, you get **46.5571, 31.9150, 5.4241**, and if you desaturate by 10%, it is **52.2934, 41.1331, 14.2865**.

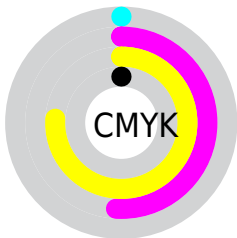
# Distribution



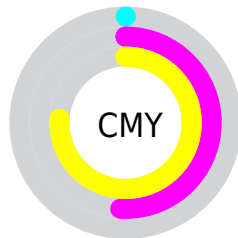
- Red (100%)
- Green (49%)
- Blue (24%)



- Red (100%)
- Yellow (61%)
- Blue (24%)



- Cyan (0%)
- Magenta (51%)
- Yellow (76%)
- Black (0%)




- Cyan (0%)
- Magenta (51%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0762, 36.0859, 8.9361 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 49.0762, 36.0859, 8.9361 by changing the saturation by 10% instead.





 49.0762, 36.0859,  
8.9361


 49.0762, 36.0859,  
8.9361


373.5542,  
329.3358, 193.1010


 34.8947, 24.5005,  
4.6033


 88.0047, 69.1646,  
24.3499


 23.7479, 15.7053,  
1.9618


 113.4823, 91.4268,  
36.2680


 15.2705, 9.3159,  
0.5316


 143.4561,  
118.0167, 51.5516

 9.0970, 4.9478,  
0.0000

 178.2914,  
149.3187, 70.6192

 4.8621, 2.2167,  
0.0000

 218.3535,  
185.7172, 93.8894

 2.2005, 0.7291,  
0.0000

264.0077,

 0.7430, 0.0000,

227.5967, 121.7808

0.0000

315.6195,  
275.3414, 154.7118

■ 0.0000, 0.0000,  
0.0000

■ 49.0762, 36.0859,  
8.9361

■ 49.0762, 36.0859,  
8.9361

■ 46.5571, 31.9150,  
5.4241

■ 52.2934, 41.1331,  
14.2865

■ 44.6651, 28.5569,  
3.4807

■ 56.2641, 47.1021,  
21.6905

■ 43.9931, 27.3114,  
2.9529

■ 61.0399, 54.0415,  
31.3353

■ 66.6667, 61.9947,  
43.3861

■ 73.1868, 71.0019,  
57.9924

80.6393, 81.1013,  
75.2915

89.0609, 92.3291,  
95.4108

94.6828, 99.8107,  
108.8828

# Harmonies

## Analogous

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



57.4745, 36.0859, 21.7559



49.0762, 36.0859, 8.9361



37.6904, 36.0859, 5.0315

# Triad

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



49.0762, 36.0859, 8.9361



17.6675, 36.0859, 30.6124



42.1985, 36.0859, 124.6650

# Complementary

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



49.0762, 36.0859, 8.9361



38.5052, 45.4384, 100.5063

# 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.



31.1166, 36.0859, 131.5398



49.0762, 36.0859, 8.9361



18.3785, 36.0859, 64.3671

# Square

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



49.0762, 36.0859, 8.9361



20.6325, 36.0859, 12.5122



22.8322, 36.0859, 105.4300



52.9624, 36.0859, 89.7783



# Rectangle

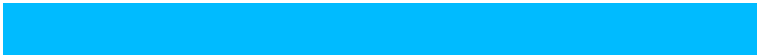
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0762, 36.0859, 8.9361



30.5501, 36.0859, 5.1099



22.8322, 36.0859, 105.4300



38.3417, 36.0859, 130.8538

# Sweetspot

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



49.0770, 36.0879, 8.9367



75.6964, 74.1668, 62.7597



52.2435, 28.3753, 53.2926



15.6518, 15.1231, 12.1735



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.



49.0770, 36.0879, 8.9367



45.8655, 30.2644, 4.2322



67.0216, 71.9771, 14.9183



18.4962, 18.9605, 18.8292



23.3131, 14.6374, 1.5966



2.3648, 1.6150, 0.1871



# Inverse Universe

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



38.5052, 45.4384, 100.5063



34.4922, 39.5816, 100.4298



24.1693, 16.7666, 95.7277



18.0231, 19.4177, 23.0480



17.2146, 19.3388, 52.2600



1.7760, 2.0827, 5.1217



# Previews

## White Background



This preview shows how the XYZ color 49.0762, 36.0859, 8.9361 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 49.0762, 36.0859, 8.9361 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 49.0762, 36.0859, 8.9361**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.0762, 36.0859, 8.9361.



This preview shows how white text looks on a background with the XYZ color 49.0762, 36.0859,



# 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

49.0762, 36.0859, 8.9361

### Protanopia

33.1222, 36.3787, 11.5794

### Deuteranopia

36.8501, 36.0741, 8.5108



## Tritanopia

51.6676, 35.9860, 24.3015

# Trichromacy



## Original Color

49.0762, 36.0859, 8.9361

## Protanomaly

37.5538, 35.1900, 10.4433

## Deuteranomaly

40.6852, 35.4699, 8.5729

## Tritanomaly

50.5256, 35.9140, 17.1011

# Monochromacy



## Original Color

49.0762, 36.0859, 8.9361

## Achromatopsia

31.5995, 33.2452, 36.2040

## Achromatomaly

35.3765, 32.8624, 22.8909

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.0762, 36.0859, 8.9361 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(254, 125, 62)` looks like.

```
.text, #text, p{  
    color:rgb(254, 125, 62)  
}
```

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(254, 125, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 125, 62) }
```

## Border

The CSS property to change the border of an element to XYZ 49.0762, 36.0859, 8.9361 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(254, 125, 62) }
```



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

```
.border{ border-color:rgb(254, 125, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 125, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 125, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 125, 62);  
box-shadow:4px 4px 4px 4px rgb(254, 125,  
62) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.0762, 36.0859, 8.9361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 125, 62) }
```

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

```
.background{ background-color: rgb(254,  
125, 62) }
```

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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