

Converting Colors

XYZ(79.5102, 52.4125, 11.0267)

Have a look what the booklet for
XYZ(79.5102, 52.4125, 11.0267)
contains.

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Color

**XYZ(49.9425, 37.0917,
9.6814)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8042
RGB	255, 128, 66
RGB Percent	100%, 50%, 26%
CMY	0.0000, 0.4980, 0.7412
CMYK	0.00, 0.50, 0.74, 0.00
HSL	20°, 100%, 63%
HSV	20°, 74%, 100%
XYZ	49.9425, 37.0917, 9.6814
YIQ	158.9050, 95.5940, 7.6420

Conversions

Conversions Part 2

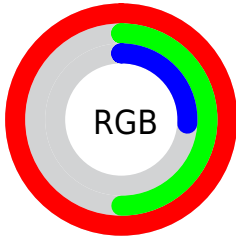
Format	Color
RYB	255, 158, 66
Decimal	16744514
CIELab	67.35, 44.22, 54.43
CIElCh	67, 70.133, 50.908
Yxy	37.0917, 0.5164, 0.3835
Android (android.graphics.Color)	4294934594 (0xFFFF8042)
YUV	158.9050, -45.8022, 84.2753
Hunter-Lab	60.9030, 39.7959, 33.2071

Details

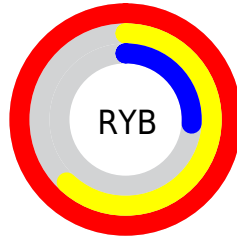
The XYZ color **49.9425, 37.0917, 9.6814** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **39.3651, 46.5149, 101.5105**, and the grayscale version is **33.0846, 34.8076, 37.9054**.

A 20% lighter version of the original color is **61.3844, 56.4113, 24.4828**, and **24.3270, 16.2677, 2.2386** is the 20% darker color. If you saturate the color by 10%, you get **47.3020, 32.7580, 5.8824**, and if you desaturate by 10%, it is **53.2968, 42.3181, 15.3706**.

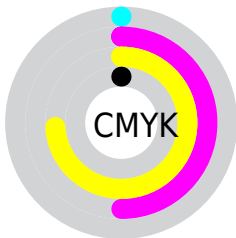
Distribution



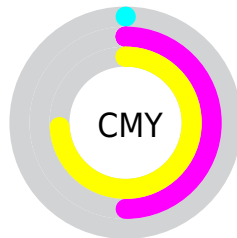
- Red (100%)
- Green (50%)
- Blue (26%)



- Red (100%)
- Yellow (62%)
- Blue (26%)



- Cyan (0%)
- Magenta (50%)
- Yellow (74%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9425, 37.0917, 9.6814 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 49.9425, 37.0917, 9.6814 by changing the saturation by 10% instead.


 49.9425, 37.0917,
9.6814


 49.9425, 37.0917,
9.6814


376.8967,
333.7074, 198.7843

 35.5853, 25.2785,
5.0854


 89.2820, 70.7138,
25.7929


 24.2827, 16.2847,
2.2378


 114.9950, 93.2915,
38.1454


 15.6694, 9.7258,
0.6961


 145.2241,
120.2261, 53.9206

 9.3798, 5.2175,
0.0000

 180.3345,
151.9021, 73.5369

 5.0488, 2.3755,
0.0000

 220.6916,
188.7038, 97.4129

 2.3110, 0.8132,
0.0000

266.6608,

 0.8003, 0.0000,

231.0157, 125.9671

0.0000

318.6074,
279.2221, 159.6180

■ 0.0000, 0.0000,
0.0000

■ 49.9425, 37.0917,
9.6814

■ 49.9425, 37.0917,
9.6814

■ 47.3020, 32.7580,
5.8824

■ 53.2968, 42.3181,
15.3706

■ 45.3056, 29.2537,
3.7107


■ 57.4197, 48.4822,
23.1618


■ 44.3837, 27.5479,
2.9780

■ 62.3623, 55.6327,
33.2404

■ 68.1705, 63.8127,
45.7706

■ 74.8864, 73.0626,
60.9014

 82.5492, 83.4207,
78.7697

 91.1956, 94.9232,
99.5030

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



58.2736, 37.0917, 22.7460



49.9425, 37.0917, 9.6814



38.6189, 37.0917, 5.6159

Triad

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



49.9425, 37.0917, 9.6814



18.5442, 37.0917, 31.7447



43.1483, 37.0917, 124.6370

Complementary

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



49.9425, 37.0917, 9.6814



39.3651, 46.5149, 101.5105

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.



32.0915, 37.0917, 131.4356



49.9425, 37.0917, 9.6814



19.2704, 37.0917, 65.3782

Square

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



49.9425, 37.0917, 9.6814



21.5349, 37.0917, 13.3976



23.7720, 37.0917, 105.8614



53.8305, 37.0917, 90.3256

Rectangle

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



49.9425, 37.0917, 9.6814



31.4899, 37.0917, 5.7037



23.7720, 37.0917, 105.8614



39.3079, 37.0917, 130.7221

Sweetspot

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



49.9433, 37.0937, 9.6820



76.4288, 75.1622, 64.4515



53.0553, 29.1034, 54.5399



15.9378, 15.5142, 12.8267



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.



49.9433, 37.0937, 9.6820



46.2517, 30.9470, 4.6374



67.9081, 73.0233, 15.6703



18.4961, 18.9603, 18.8292



23.3122, 14.6357, 1.5963



2.3647, 1.6148, 0.1871

Inverse Universe

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



39.3651, 46.5149, 101.5105



34.9611, 40.3293, 100.5494



24.9166, 17.6180, 96.6943



18.0232, 19.4180, 23.0481



17.2166, 19.3429, 52.2607



1.7762, 2.0831, 5.1217

Previews

White Background



This preview shows how the XYZ color 49.9425, 37.0917, 9.6814 looks on a white background.

Color Contrast Check

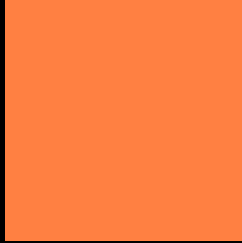
Large Text (above 18pt) WCAG AA × Fail

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 49.9425, 37.0917, 9.6814 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 49.9425, 37.0917, 9.6814

Background



This preview shows how black text looks on a background with the XYZ color 49.9425, 37.0917, 9.6814.



This preview shows how white text looks on a background with the XYZ color 49.9425, 37.0917,

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

49.9425, 37.0917, 9.6814

Protanopia

34.0861, 37.3912, 12.4419

Deuteranopia

37.8290, 37.0616, 9.1628



Tritanopia

52.4197, 37.0646, 25.8641

Trichromacy



Original Color

49.9425, 37.0917, 9.6814

Protanomaly

38.7253, 36.4928, 11.3061

Deuteranomaly

41.5526, 36.5827, 9.2860

Tritanomaly

51.2275, 36.9888, 18.3495

Monochromacy



Original Color

49.9425, 37.0917, 9.6814

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.5397, 34.1298, 24.0639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9425, 37.0917, 9.6814 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, 128, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 128, 66)  
}
```

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, 128, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 128, 66) }
```

Border

The CSS property to change the border of an element to XYZ 49.9425, 37.0917, 9.6814 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, 128, 66) }
```


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

```
.border{ border-color:rgb(255, 128, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 128, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 128, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 128, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 128,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9425, 37.0917, 9.6814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 128, 66) }
```

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

```
.background{ background-color: rgb(255,  
128, 66) }
```

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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