

Converting Colors

XYZ(49.9572, 37.8263, 7.5137)

Have a look what the booklet for
XYZ(49.9572, 37.8263, 7.5137)
contains.

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Color

**XYZ(49.8898, 37.7060,
7.4448)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8330
RGB	255, 131, 48
RGB Percent	100%, 51%, 19%
CMY	0.0000, 0.4862, 0.8118
CMYK	0.00, 0.49, 0.81, 0.00
HSL	24°, 100%, 59%
HSV	24°, 81%, 100%
XYZ	49.8898, 37.7060, 7.4448
YIQ	158.6140, 100.5470, 0.4750

Conversions

Conversions Part 2

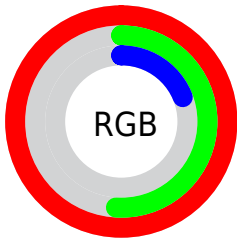
Format	Color
R _Y B	255, 187, 48
Decimal	16745264
CIE Lab	67.80, 42.11, 62.71
CIE LCh	68, 75.533, 56.117
Yxy	37.7060, 0.5249, 0.3967
Android (android.graphics.Color)	4294935344 (0xFFFF8330)
YUV	158.6140, -54.5327, 84.5305
Hunter-Lab	61.4052, 37.5665, 35.7953

Details

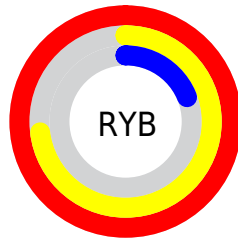
The XYZ color **49.8898, 37.7060, 7.4448** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **34.0202, 37.3510, 100.0234**, and the grayscale version is **32.9884, 34.7064, 37.7953**.

A 20% lighter version of the original color is **61.1479, 57.3174, 20.1524**, and **24.2818, 16.6683, 1.9375** is the 20% darker color. If you saturate the color by 10%, you get **47.6041, 33.7492, 4.7900**, and if you desaturate by 10%, it is **52.7815, 42.3926, 11.7918**.

Distribution



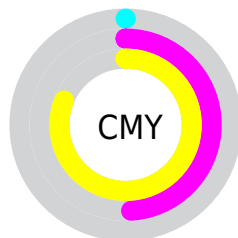
- Red (100%)
- Green (51%)
- Blue (19%)



- Red (100%)
- Yellow (73%)
- Blue (19%)



- Cyan (0%)
- Magenta (49%)
- Yellow (81%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8898, 37.7060, 7.4448 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 49.8898, 37.7060, 7.4448 by changing the saturation by 10% instead.


 49.8898, 37.7060,
7.4448


 49.8898, 37.7060,
7.4448

376.6940,
336.3571, 181.0789


 35.5433, 25.7546,
3.6592


 89.2044, 71.6573,
21.3905


 24.2501, 16.6401,
1.4403


 114.9031, 94.4260,
32.3877

 15.6450, 9.9783,
0.1728


 145.1167,
121.5692, 46.6258

 9.3626, 5.3845,
0.0000

 180.2104,
153.4713, 64.5233

 5.0374, 2.4746,
0.0000

 220.5497,
190.5168, 86.4988

 2.3042, 0.8639,
0.0000

 266.4998,

 0.7968, 0.0000,

233.0900, 112.9709

0.0000

318.4261,
281.5753, 144.3581

■ 0.0000, 0.0000,
0.0000

■ 49.8898, 37.7060,
7.4448

■ 49.8898, 37.7060,
7.4448

■ 47.6041, 33.7492,
4.7900

■ 52.7815, 42.3926,
11.7918

■ 46.0161, 30.8127,
3.5221

■ 56.3344, 47.8456,
18.0710

■ 60.5985, 54.1056,
26.4853

■ 65.6178, 61.2078,
37.2110

■ 71.4321, 69.1850,
50.4057

78.0781, 78.0681,
66.2132

85.5902, 87.8864,
84.7660

94.0004, 98.6676,
106.1875

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.



60.0520, 37.7060, 18.7341



49.8898, 37.7060, 7.4448



37.3824, 37.7060, 4.4963

Triad

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



49.8898, 37.7060, 7.4448



17.7622, 37.7060, 36.8481



46.6741, 37.7060, 130.2495

Complementary

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



49.8898, 37.7060, 7.4448



34.0202, 37.3510, 100.0234

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.



34.3375, 37.7060, 144.6233



49.8898, 37.7060, 7.4448



19.2049, 37.7060, 76.4219

Square

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



49.8898, 37.7060, 7.4448



20.2269, 37.7060, 14.6052



24.7092, 37.7060, 121.0612



57.9299, 37.7060, 88.4278

Rectangle

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



49.8898, 37.7060, 7.4448



29.9526, 37.7060, 5.0641



24.7092, 37.7060, 121.0612



42.4488, 37.7060, 139.1763

Sweetspot

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



49.8906, 37.7080, 7.4455



76.1151, 75.4660, 61.4759



49.7624, 26.3602, 41.5961



15.7825, 15.4727, 11.9451



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.



49.8906, 37.7080, 7.4455



46.5226, 31.7582, 3.8976



71.2814, 80.4896, 14.5757



18.6072, 19.1825, 18.8662



24.1811, 16.3734, 1.8859



2.4579, 1.8012, 0.2181

Inverse Universe

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



34.0202, 37.3510, 100.0234



30.0028, 30.9835, 99.0068



21.3788, 12.0681, 95.8096



17.9080, 19.1877, 23.0097



15.5121, 15.9337, 51.6925



1.6174, 1.7655, 5.0688

Previews

White Background



This preview shows how the XYZ color 49.8898, 37.7060, 7.4448 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 49.8898, 37.7060, 7.4448 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 49.8898, 37.7060, 7.4448

Background



This preview shows how black text looks on a background with the XYZ color 49.8898, 37.7060, 7.4448.



This preview shows how white text looks on a background with the XYZ color 49.8898, 37.7060,

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

49.8898, 37.7060, 7.4448

Protanopia

34.3823, 37.8821, 9.3707

Deuteranopia

38.4192, 37.6638, 7.0786



Tritanopia

52.8073, 37.6207, 26.6686

Trichromacy



Original Color

49.8898, 37.7060, 7.4448

Protanomaly

38.6354, 36.7504, 8.5473

Deuteranomaly

42.0592, 37.3545, 7.1839

Tritanomaly

51.2276, 37.3981, 17.0889

Monochromacy



Original Color

49.8898, 37.7060, 7.4448

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.3254, 34.2961, 22.1580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8898, 37.7060, 7.4448 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, 131, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 48)  
}
```

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, 131, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 48) }
```

Border

The CSS property to change the border of an element to XYZ 49.8898, 37.7060, 7.4448 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, 131, 48) }
```


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

```
.border{ border-color:rgb(255, 131, 48) }
```

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

Here you see how a box with a 4 pixel rgb(255, 131, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8898, 37.7060, 7.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 48) }
```

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

```
.background{ background-color: rgb(255,  
131, 48) }
```

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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