

Converting Colors

XYZ(49.2060, 37.9183, 9.4282)

Have a look what the booklet for
XYZ(49.2060, 37.9183, 9.4282)
contains.

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Color

**XYZ(49.2060, 37.9183,
9.4282)**

Conversions

Conversions Part 1

Format	Color
Hex	FB863F
RGB	251, 134, 63
RGB Percent	98%, 53%, 25%
CMY	0.0157, 0.4745, 0.7529
CMYK	0.00, 0.47, 0.75, 0.02
HSL	23°, 96%, 62%
HSV	23°, 75%, 98%
XYZ	49.2060, 37.9183, 9.4282
YIQ	160.8890, 92.5230, 2.7230

Conversions

Conversions Part 2

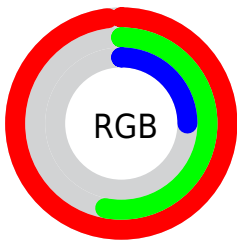
Format	Color
R _Y B	251, 177, 63
Decimal	16483903
CIE Lab	67.96, 39.58, 56.28
CIE LCh	68, 68.803, 54.880
Yxy	37.9183, 0.5096, 0.3927
Android (android.graphics.Color)	4294673983 (0xFFFB863F)
YUV	160.8890, -48.2593, 79.0273
Hunter-Lab	61.5778, 34.8757, 34.0266

Details

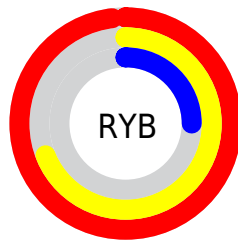
The XYZ color **49.2060, 37.9183, 9.4282** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **35.7826, 40.6620, 97.2289**, and the grayscale version is **34.0128, 35.7842, 38.9690**.

A 20% lighter version of the original color is **62.4749, 58.8701, 23.9899**, and **23.7892, 16.7391, 2.1494** is the 20% darker color. If you saturate the color by 10%, you get **46.6559, 33.6968, 5.8706**, and if you desaturate by 10%, it is **52.3961, 42.9094, 14.7756**.

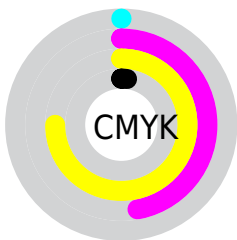
Distribution



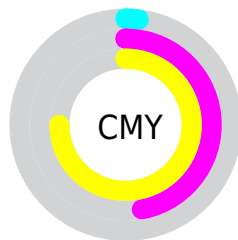
- Red (98%)
- Green (53%)
- Blue (25%)



- Red (98%)
- Yellow (69%)
- Blue (25%)



- Cyan (0%)
- Magenta (47%)
- Yellow (75%)
- Black (2%)





- Cyan (2%)
- Magenta (47%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2060, 37.9183, 9.4282 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 49.2060, 37.9183, 9.4282 by changing the saturation by 10% instead.


 49.2060, 37.9183,
9.4282

 49.2060, 37.9183,
9.4282


374.0563,
337.2694, 196.8751


 34.9981, 25.9193,
4.9209


 88.1962, 71.9829,
25.3051

 23.8279, 16.7633,
2.1430


 113.7093, 94.8173,
37.5117


 15.3301, 10.0659,
0.6412


 143.7214,
122.0322, 53.1220

 9.1392, 5.4426,
0.0000

 178.5980,
154.0121, 72.5543

 4.8899, 2.5092,
0.0000

 218.7045,
191.1414, 96.2272

 2.2169, 0.8813,
0.0000

264.4061,

 0.7516, 0.0000,

233.8044, 124.5593

0.0000

316.0682,
282.3856, 157.9690

■ 0.0000, 0.0000,
0.0000

■ 49.2060, 37.9183,
9.4282

■ 49.2060, 37.9183,
9.4282

■ 46.6559, 33.6968,
5.8706

■ 52.3961, 42.9094,
14.7756

■ 44.6820, 30.1921,
3.8468

■ 56.2753, 48.7055,
22.1177

■ 43.8577, 28.6577,
3.2199

■ 60.8897, 55.3466,
31.6334

■ 66.2804, 62.8679,
43.4810

■ 72.4850, 71.3021,
57.8036

79.5386, 80.6805,
74.7330

87.4739, 91.0324,
94.3914

93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



58.0891, 37.9183, 21.1413



49.2060, 37.9183, 9.4282



37.9058, 37.9183, 6.0292

Triad

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



49.2060, 37.9183, 9.4282



19.1988, 37.9183, 36.2531



45.3987, 37.9183, 121.0295

Complementary

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



49.2060, 37.9183, 9.4282



35.7826, 40.6620, 97.2289

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.



34.2369, 37.9183, 132.0589



49.2060, 37.9183, 9.4282



20.4238, 37.9183, 71.3375

Square

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



49.2060, 37.9183, 9.4282



21.7058, 37.9183, 15.8360



25.4611, 37.9183, 110.5853



55.6039, 37.9183, 85.2575

Rectangle

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



49.2060, 37.9183, 9.4282



31.0150, 37.9183, 6.5245



25.4611, 37.9183, 110.5853



41.5809, 37.9183, 128.3187

Sweetspot

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



49.2069, 37.9203, 9.4289



77.1537, 76.6118, 64.6931



50.0115, 27.4446, 46.9538



16.1074, 15.8534, 12.8833



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.



49.2069, 37.9203, 9.4289



47.2350, 32.9606, 4.8207



67.8589, 75.2244, 15.6462



17.7818, 18.2995, 18.0573



23.1824, 15.3215, 1.7355



2.2455, 1.6158, 0.1935

Inverse Universe

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



35.7826, 40.6620, 97.2289



32.5250, 35.5564, 99.7566



22.9579, 15.0126, 92.9539



17.1829, 18.4426, 22.0394



15.5642, 16.4840, 50.3350



1.5435, 1.7308, 4.6959

Previews

White Background



This preview shows how the XYZ color 49.2060, 37.9183, 9.4282 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 49.2060, 37.9183, 9.4282 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 49.2060, 37.9183, 9.4282

Background



This preview shows how black text looks on a background with the XYZ color 49.2060, 37.9183, 9.4282.



This preview shows how white text looks on a background with the XYZ color 49.2060, 37.9183,

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

49.2060, 37.9183, 9.4282

Protanopia

34.8135, 38.0546, 11.6413

Deuteranopia

38.9531, 38.1491, 9.0519



Tritanopia

53.0740, 37.9310, 27.4458

Trichromacy



Original Color

49.2060, 37.9183, 9.4282

Protanomaly

38.9243, 37.0962, 10.7390

Deuteranomaly

42.2773, 37.6580, 9.1781

Tritanomaly

51.4836, 37.8755, 19.0652

Monochromacy



Original Color

49.2060, 37.9183, 9.4282

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.0164, 35.0832, 24.2228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2060, 37.9183, 9.4282 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(251, 134, 63)` looks like.

```
.text, #text, p{  
    color:rgb(251, 134, 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(251, 134, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 134, 63) }
```

Border

The CSS property to change the border of an element to XYZ 49.2060, 37.9183, 9.4282 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(251, 134, 63) }
```


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

```
.border{ border-color:rgb(251, 134, 63) }
```

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

Here you see how a box with a 4 pixel rgb(251, 134, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 134, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 134, 63);  
box-shadow:4px 4px 4px 4px rgb(251, 134,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2060, 37.9183, 9.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 134, 63) }
```

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

```
.background{ background-color: rgb(251,  
134, 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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