

Converting Colors

XYZ(49.0458, 37.8991, 5.5295)

Have a look what the booklet for
XYZ(49.0458, 37.8991, 5.5295)
contains.

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Color

**XYZ(49.1878, 37.9947,
5.5518)**

Conversions

Conversions Part 1

Format	Color
Hex	FD8617
RGB	253, 134, 23
RGB Percent	99%, 53%, 9%
CMY	0.0078, 0.4745, 0.9098
CMYK	0.00, 0.47, 0.91, 0.01
HSL	29°, 98%, 54%
HSV	29°, 91%, 99%
XYZ	49.1878, 37.9947, 5.5518
YIQ	156.9270, 106.5550, -9.2930

Conversions

Conversions Part 2

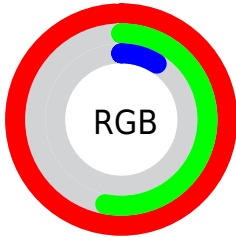
Format	Color
R _Y B	253, 238, 23
Decimal	16614935
CIE Lab	68.02, 39.29, 70.69
CIE LCh	68, 80.877, 60.936
Yxy	37.9947, 0.5304, 0.4097
Android (android.graphics.Color)	4294805015 (0xFFFD8617)
YUV	156.9270, -66.0260, 84.2560
Hunter-Lab	61.6398, 34.5710, 37.8077

Details

The XYZ color **49.1878, 37.9947, 5.5518** 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 **27.7554, 26.6190, 96.6030**, and the grayscale version is **32.2705, 33.9510, 36.9727**.

A 20% lighter version of the original color is **60.7846, 57.8510, 16.1463**, and **24.0036, 16.8534, 1.9879** is the 20% darker color. If you saturate the color by 10%, you get **47.4803, 34.8276, 4.2199**, and if you desaturate by 10%, it is **51.4964, 41.9961, 8.2213**.

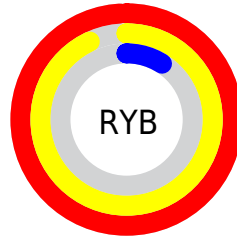
Distribution



Red (99%)

Green (53%)

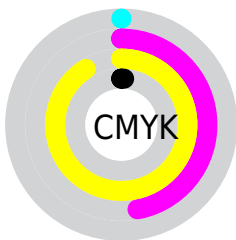
Blue (9%)



Red (99%)

Yellow (93%)

Blue (9%)

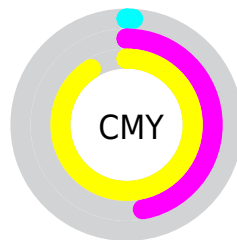


Cyan (0%)

Magenta (47%)

Yellow (91%)

Black (1%)



Cyan (1%)


Magenta (47%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1878, 37.9947, 5.5518 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 49.1878, 37.9947, 5.5518 by changing the saturation by 10% instead.


 49.1878, 37.9947,
5.5518


 49.1878, 37.9947,
5.5518


373.9859,
337.5972, 164.1663

 34.9836, 25.9786,
2.5102


 88.1694, 72.1000,
17.4546


 23.8167, 16.8076,
0.8455


 113.6775, 94.9580,
27.1528


 15.3217, 10.0974,
0.0000


 143.6842,
122.1987, 39.9070

 9.1333, 5.4636,
0.0000

 178.5551,
154.2066, 56.1357

 4.8860, 2.5218,
0.0000

 218.6553,
191.3660, 76.2575

 2.2146, 0.8875,
0.0000

 264.3503,

 0.7504, 0.0000,

234.0613, 100.6908

0.0000

316.0053,
282.6769, 129.8542

■ 0.0000, 0.0000,
0.0000

■ 49.1878, 37.9947,
5.5518

■ 49.1878, 37.9947,
5.5518

■ 47.4803, 34.8276,
4.2199

■ 51.4964, 41.9961,
8.2213

■ 54.3337, 46.5780,
12.5357

■ 57.7519, 51.7746,
18.7302

■ 61.7948, 57.6148,
27.0006

■ 66.5011, 64.1250,
37.5179

71.9061, 71.3294,
50.4350

78.0420, 79.2510,
65.8914

84.9390, 87.9116,
84.0157

92.6251, 97.3317,
104.9277

Harmonies

Analogous

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



61.0955, 37.9947, 14.9935



49.1878, 37.9947, 5.5518



35.7189, 37.9947, 3.5662

Triad

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



49.1878, 37.9947, 5.5518



16.9207, 37.9947, 42.5123



50.0340, 37.9947, 133.8135

Complementary

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



49.1878, 37.9947, 5.5518



27.7554, 26.6190, 96.6030

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.



36.5096, 37.9947, 156.5300



49.1878, 37.9947, 5.5518



19.0811, 37.9947, 88.1955

Square

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



49.1878, 37.9947, 5.5518



18.8239, 37.9947, 16.0126



25.5882, 37.9947, 136.3051



61.6586, 37.9947, 84.9869

Rectangle

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



49.1878, 37.9947, 5.5518



28.1387, 37.9947, 4.5334



25.5882, 37.9947, 136.3051



45.4668, 37.9947, 145.7037

Sweetspot

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



49.1886, 37.9968, 5.5525



75.5495, 75.6727, 57.1624



45.9768, 23.5605, 29.1836



15.7296, 15.6227, 11.1391



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.



49.1886, 37.9968, 5.5525



48.3318, 35.4436, 4.2939



73.4156, 86.4508, 13.6281



18.7329, 19.4339, 18.9081



25.4023, 18.8158, 2.2930



2.5821, 2.0495, 0.2595

Inverse Universe

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



27.7554, 26.6190, 96.6030



26.2916, 23.7032, 97.7972



18.5644, 8.2369, 93.5393



17.7804, 18.9324, 22.9671



13.8883, 12.6861, 51.1513



1.4617, 1.4540, 5.0169

Previews

White Background



This preview shows how the XYZ color 49.1878, 37.9947, 5.5518 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 49.1878, 37.9947, 5.5518 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 49.1878, 37.9947, 5.5518

Background



This preview shows how black text looks on a background with the XYZ color 49.1878, 37.9947, 5.5518.



This preview shows how white text looks on a background with the XYZ color 49.1878, 37.9947,

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

49.1878, 37.9947, 5.5518

Protanopia

34.5729, 38.3065, 6.9382

Deuteranopia

38.8052, 38.1554, 5.3195



Tritanopia

53.0740, 37.9310, 27.4458

Trichromacy



Original Color

49.1878, 37.9947, 5.5518

Protanomaly

38.8071, 37.3803, 6.3322

Deuteranomaly

42.1553, 37.6812, 5.2811

Tritanomaly

50.7437, 37.5795, 15.1688

Monochromacy



Original Color

49.1878, 37.9947, 5.5518

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.1924, 33.7841, 18.8535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1878, 37.9947, 5.5518 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(253, 134, 23)` looks like.

```
.text, #text, p{  
    color:rgb(253, 134, 23)  
}
```

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(253, 134, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 134, 23) }
```

Border

The CSS property to change the border of an element to XYZ 49.1878, 37.9947, 5.5518 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(253, 134, 23) }
```


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

```
.border{ border-color:rgb(253, 134, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 134, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 134, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 134, 23);  
box-shadow:4px 4px 4px 4px rgb(253, 134,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1878, 37.9947, 5.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 134, 23) }
```

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

```
.background{ background-color: rgb(253,  
134, 23) }
```

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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