

Converting Colors

XYZ(58.6325, 41.7993, 9.0208)

Have a look what the booklet for
XYZ(58.6325, 41.7993, 9.0208)
contains.

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Color

**XYZ(49.8540, 37.2660,
8.5685)**

Conversions

Conversions Part 1

Format	Color
Hex	FF813A
RGB	255, 129, 58
RGB Percent	100%, 51%, 23%
CMY	0.0000, 0.4941, 0.7725
CMYK	0.00, 0.49, 0.77, 0.00
HSL	22°, 100%, 61%
HSV	22°, 77%, 100%
XYZ	49.8540, 37.2660, 8.5685
YIQ	158.5800, 97.8870, 4.6310

Conversions

Conversions Part 2

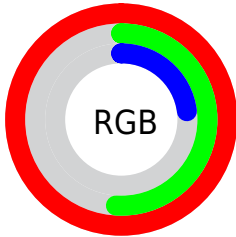
Format	Color
R _Y B	255, 169, 58
Decimal	16744762
CIE Lab	67.48, 43.42, 58.22
CIE LCh	67, 72.629, 53.282
Yxy	37.2660, 0.5210, 0.3895
Android (android.graphics.Color)	4294934842 (0xFFFF813A)
YUV	158.5800, -49.5859, 84.5603
Hunter-Lab	61.0459, 38.9443, 34.4101

Details

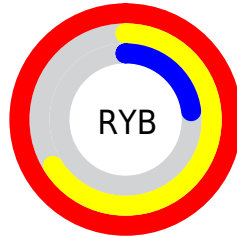
The XYZ color **49.8540, 37.2660, 8.5685** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **36.9341, 42.3979, 100.8441**, and the grayscale version is **32.9519, 34.6679, 37.7534**.

A 20% lighter version of the original color is **61.1950, 56.6668, 22.4643**, and **24.3921, 16.5142, 1.9020** is the 20% darker color. If you saturate the color by 10%, you get **47.3790, 33.1102, 5.2964**, and if you desaturate by 10%, it is **52.9944, 42.2400, 13.6457**.

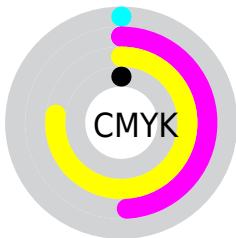
Distribution



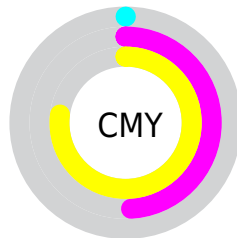
- Red (100%)
- Green (51%)
- Blue (23%)



- Red (100%)
- Yellow (66%)
- Blue (23%)



- Cyan (0%)
- Magenta (49%)
- Yellow (77%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8540, 37.2660, 8.5685 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 49.8540, 37.2660, 8.5685 by changing the saturation by 10% instead.


 49.8540, 37.2660,
8.5685


 49.8540, 37.2660,
8.5685

376.5562,
334.4607, 190.2235


 35.5147, 25.4135,
4.3679


 89.1516, 70.9817,
23.6299


 24.2280, 16.3854,
1.8292


 114.8407, 93.6137,
35.3278


 15.6285, 9.7973,
0.4471


 145.0438,
120.6077, 50.3619

 9.3508, 5.2648,
0.0000

 180.1261,
152.3480, 69.1506

 5.0297, 2.4034,
0.0000

 220.4532,
189.2191, 92.1126

 2.2996, 0.8277,
0.0000

 266.3903,

 0.7945, 0.0000,

231.6053, 119.6664

0.0000

318.3029,
279.8910, 152.2305

■ 0.0000, 0.0000,
0.0000

■ 49.8540, 37.2660,
8.5685

■ 49.8540, 37.2660,
8.5685

■ 47.3790, 33.1102,
5.2964

■ 52.9944, 42.2400,
13.6457

■ 45.4967, 29.7124,
3.5382

■ 56.8546, 48.0730,
20.7511

■ 45.0592, 28.8989,
3.2032

■ 61.4853, 54.8098,
30.0771

■ 66.9310, 62.4898,
41.7929

■ 73.2329, 71.1500,
56.0509

80.4288, 80.8250,
72.9912

88.5544, 91.5477,
92.7430

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



59.0016, 37.2660, 20.8173



49.8540, 37.2660, 8.5685



37.9891, 37.2660, 5.0366

Triad

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



49.8540, 37.2660, 8.5685



18.1034, 37.2660, 33.8060



44.5924, 37.2660, 127.1999

Complementary

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



49.8540, 37.2660, 8.5685



36.9341, 42.3979, 100.8441

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.



32.9698, 37.2660, 137.2650



49.8540, 37.2660, 8.5685



19.1451, 37.2660, 70.0210

Square

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



49.8540, 37.2660, 8.5685



20.8589, 37.2660, 13.8160



24.0817, 37.2660, 112.4200



55.5454, 37.2660, 89.4982

Rectangle

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



49.8540, 37.2660, 8.5685



30.7175, 37.2660, 5.3467



24.0817, 37.2660, 112.4200



40.5800, 37.2660, 134.5311

Sweetspot

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



49.8548, 37.2680, 8.5691



76.1830, 75.1401, 62.9219



51.6212, 27.8335, 49.1342



15.7679, 15.3553, 12.2123



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.



49.8548, 37.2680, 8.5691



46.2309, 31.0691, 4.1262



69.0505, 75.6593, 14.9677



18.5452, 19.0586, 18.8456



23.6729, 15.3570, 1.7165



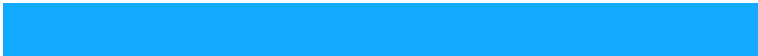
2.4041, 1.6935, 0.2002

Inverse Universe

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



36.9341, 42.3979, 100.8441



32.5819, 35.9176, 99.8233



23.2480, 15.0257, 96.2820



17.9719, 19.3155, 23.0310



16.4299, 17.7694, 51.9985



1.7034, 1.9375, 5.0975

Previews

White Background



This preview shows how the XYZ color 49.8540, 37.2660, 8.5685 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 49.8540, 37.2660, 8.5685 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 49.8540, 37.2660, 8.5685

Background



This preview shows how black text looks on a background with the XYZ color 49.8540, 37.2660, 8.5685.



This preview shows how white text looks on a background with the XYZ color 49.8540, 37.2660,

8.5685.

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

49.8540, 37.2660, 8.5685

Protanopia

34.0270, 37.3949, 10.8934

Deuteranopia

38.1963, 37.2726, 8.1988



Tritanopia

52.6125, 37.3412, 26.2644

Trichromacy



Original Color

49.8540, 37.2660, 8.5685

Protanomaly

38.4481, 36.3819, 9.8465

Deuteranomaly

41.6620, 36.6621, 8.2488

Tritanomaly

51.2507, 37.2016, 17.8440

Monochromacy



Original Color

49.8540, 37.2660, 8.5685

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

36.3509, 34.0543, 23.0696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8540, 37.2660, 8.5685 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, 129, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 58)  
}
```

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, 129, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 58) }
```

Border

The CSS property to change the border of an element to XYZ 49.8540, 37.2660, 8.5685 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, 129, 58) }
```


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

```
.border{ border-color:rgb(255, 129, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8540, 37.2660, 8.5685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 58) }
```

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

```
.background{ background-color: rgb(255,  
129, 58) }
```

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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