

Converting Colors

XYZ(49.2846, 37.0450, 5.5501)

Have a look what the booklet for
XYZ(49.2846, 37.0450, 5.5501)
contains.

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Color

**XYZ(49.2767, 37.0351,
5.5286)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF811A |
| RGB | 255, 129, 26 |
| RGB Percent | 100%, 51%, 10% |
| CMY | 0.0000, 0.4941, 0.8980 |
| CMYK | 0.00, 0.49, 0.90, 0.00 |
| HSL | 27°, 100%, 55% |
| HSV | 27°, 90%, 100% |
| XYZ | 49.2767, 37.0351, 5.5286 |
| YIQ | 154.9320, 108.1590, -5.3210 |

Conversions

Conversions Part 2

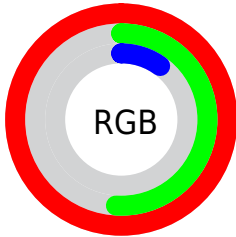
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 213, 26 |
| Decimal | 16744730 |
| CIE _{Lab} | 67.30, 42.61, 69.57 |
| CIE _{LCh} | 67, 81.577, 58.515 |
| Yxy | 37.0351, 0.5365, 0.4033 |
| Android (android.graphics.Color) | 4294934810 (0xFFFF811A) |
| YUV | 154.9320, -63.5635, 87.7596 |
| Hunter-Lab | 60.8565, 38.0362, 37.2132 |

Details

The XYZ color **49.2767, 37.0351, 5.5286** 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 **29.7035, 29.8947, 98.8116**, and the grayscale version is **31.3659, 32.9994, 35.9363**.

A 20% lighter version of the original color is **59.9807, 56.1811, 16.0702**, and **24.1397, 16.3841, 1.8901** is the 20% darker color. If you saturate the color by 10%, you get **47.3707, 33.5175, 3.9873**, and if you desaturate by 10%, it is **51.6766, 41.1597, 8.4116**.

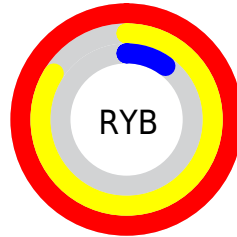
Distribution



Red (100%)

Green (51%)

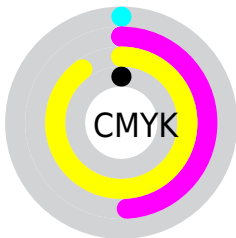
Blue (10%)



Red (100%)

Yellow (84%)

Blue (10%)

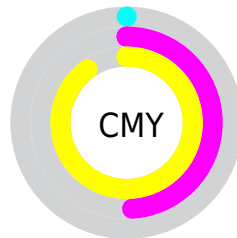


Cyan (0%)

Magenta (49%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2767, 37.0351, 5.5286 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 49.2767, 37.0351, 5.5286 by changing the saturation by 10% instead.


 49.2767, 37.0351,
5.5286


 49.2767, 37.0351,
5.5286


374.3295,
333.4625, 163.9443

 35.0545, 25.2347,
2.4965


 88.3005, 70.6268,
17.4048


 23.8715, 16.2520,
0.8383


 113.8328, 93.1868,
27.0860

 15.3626, 9.7026,
0.0000


 143.8659,
120.1021, 39.8206

 9.1622, 5.2022,
0.0000

 178.7650,
151.7572, 56.0272

 4.9051, 2.3664,
0.0000

 218.8956,
188.5364, 76.1243

 2.2259, 0.8085,
0.0000

 264.6229,

 0.7563, 0.0000,

230.8240, 100.5305

0.0000

316.3125,
279.0046, 129.6643

■ 0.0000, 0.0000,
0.0000

■ 49.2767, 37.0351,
5.5286

■ 49.2767, 37.0351,
5.5286

■ 47.3707, 33.5175,
3.9873

■ 51.6766, 41.1597,
8.4116

■ 47.3363, 33.4531,
3.9622

■ 54.6479, 45.9327,
13.0077

■ 58.2444, 51.3920,
19.5518

■ 62.5119, 57.5698,
28.2410

■ 67.4909, 64.4958,
39.2476

73.2182, 72.1975,
52.7266

79.7279, 80.7007,
68.8190

87.0516, 90.0302,
87.6554

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.



60.7708, 37.0351, 15.6132



49.2767, 37.0351, 5.5286



35.8261, 37.0351, 3.2559

Triad

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



49.2767, 37.0351, 5.5286



16.2516, 37.0351, 38.5705



47.9414, 37.0351, 135.8457

Complementary

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



49.2767, 37.0351, 5.5286



29.7035, 29.8947, 98.8116

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.



34.5827, 37.0351, 155.3943



49.2767, 37.0351, 5.5286



18.0477, 37.0351, 82.8250

Square

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



49.2767, 37.0351, 5.5286



18.4489, 37.0351, 14.0316



24.0984, 37.0351, 131.8836



59.8805, 37.0351, 87.9087

Rectangle

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



49.2767, 37.0351, 5.5286



28.1184, 37.0351, 3.9615



24.0984, 37.0351, 131.8836



43.3824, 37.0351, 146.8701

Sweetspot

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



49.2775, 37.0371, 5.5292



74.9625, 74.4988, 56.9668



47.5903, 24.3913, 33.5494



15.5920, 15.3475, 11.0933



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.



49.2775, 37.0371, 5.5292



47.3367, 33.4534, 3.9622



72.5076, 83.4974, 13.2726



18.6822, 19.3325, 18.8912



24.8786, 17.7685, 2.1184



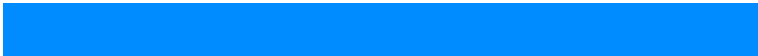
2.5296, 1.9445, 0.2420

Inverse Universe

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



29.7035, 29.8947, 98.8116



27.4718, 26.0636, 98.1906



19.2783, 9.0443, 95.3366



17.8315, 19.0347, 22.9842



14.5060, 13.9215, 51.3572



1.5215, 1.5738, 5.0368

Previews

White Background



This preview shows how the XYZ color 49.2767, 37.0351, 5.5286 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 49.2767, 37.0351, 5.5286 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 49.2767, 37.0351, 5.5286

Background



This preview shows how black text looks on a background with the XYZ color 49.2767, 37.0351, 5.5286.



This preview shows how white text looks on a background with the XYZ color 49.2767, 37.0351,

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

49.2767, 37.0351, 5.5286

Protanopia

33.7812, 37.3519, 7.0983

Deuteranopia

37.9009, 37.1868, 5.1802



Tritanopia

52.4197, 37.0646, 25.8641

Trichromacy



Original Color

49.2767, 37.0351, 5.5286

Protanomaly

38.0673, 36.2624, 6.3595

Deuteranomaly

41.3795, 36.5850, 5.1391

Tritanomaly

50.5494, 36.7175, 14.7789

Monochromacy



Original Color

49.2767, 37.0351, 5.5286

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

34.4715, 32.7168, 18.6855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2767, 37.0351, 5.5286 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, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 26)  
}
```

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, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 26) }
```

Border

The CSS property to change the border of an element to XYZ 49.2767, 37.0351, 5.5286 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, 26) }
```


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

```
.border{ border-color:rgb(255, 129, 26) }
```

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, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2767, 37.0351, 5.5286 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, 26) }
```

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

```
.background{ background-color: rgb(255,  
129, 26) }
```

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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