

Converting Colors

XYZ(49.2005, 37.0915, 4.8592)

Have a look what the booklet for
XYZ(49.2005, 37.0915, 4.8592)
contains.

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Color

**XYZ(49.1450, 36.9824,
4.8353)**

Conversions

Conversions Part 1

Format	Color
Hex	FF810A
RGB	255, 129, 10
RGB Percent	100%, 51%, 4%
CMY	0.0000, 0.4941, 0.9607
CMYK	0.00, 0.49, 0.96, 0.00
HSL	29°, 100%, 52%
HSV	29°, 96%, 100%
XYZ	49.1450, 36.9824, 4.8353
YIQ	153.1080, 113.2950, -10.2970

Conversions

Conversions Part 2

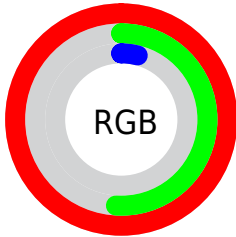
Format	Color
R _Y B	255, 241, 10
Decimal	16744714
CIE Lab	67.26, 42.42, 72.73
CIE LCh	67, 84.199, 59.750
Yxy	36.9824, 0.5403, 0.4066
Android (android.graphics.Color)	4294934794 (0xFFFF810A)
YUV	153.1080, -70.5522, 89.3593
Hunter-Lab	60.8132, 37.8284, 37.8550

Details

The XYZ color **49.1450, 36.9824, 4.8353** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **26.9796, 24.8935, 97.9898**, and the grayscale version is **30.5902, 32.1833, 35.0476**.

A 20% lighter version of the original color is **59.4780, 55.6488, 14.4439**, and **24.1397, 16.3841, 1.8901** is the 20% darker color. If you saturate the color by 10%, you get **48.4297, 35.6399, 4.3267**, and if you desaturate by 10%, it is **51.2418, 40.7666, 6.7982**.

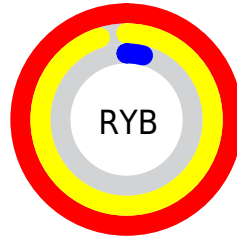
Distribution



Red (100%)

Green (51%)

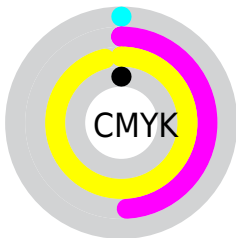
Blue (4%)



Red (100%)

Yellow (95%)

Blue (4%)

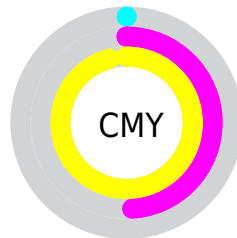


Cyan (0%)

Magenta (49%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1450, 36.9824, 4.8353 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 49.1450, 36.9824, 4.8353 by changing the saturation by 10% instead.


 49.1450, 36.9824,
4.8353


 49.1450, 36.9824,
4.8353


373.8204,
333.2343, 157.1008


 34.9495, 25.1939,
2.0939


 88.1062, 70.5457,
15.8945

 23.7903, 16.2216,
0.6121


 113.6026, 93.0893,
25.0494


 15.3021, 9.6811,
0.0000


 143.5968,
119.9867, 37.1792

 9.1193, 5.1880,
0.0000

 178.4540,
151.6222, 52.7025

 4.8768, 2.3580,
0.0000

 218.5396,
188.3804, 72.0377


 2.2092, 0.8042,
0.0000

 264.2189,


 0.7476, 0.0000,


230.6455, 95.6035

0.0000


 315.8574,
278.8020, 123.8184


 0.0000, 0.0000,
0.0000

 49.1450, 36.9824,
4.8353


 49.1450, 36.9824,
4.8353


 48.4297, 35.6399,
4.3267

 51.2418, 40.7666,
6.7982

 53.8429, 45.1182,
10.2873

 57.0074, 50.0747,
15.5733

 60.7833, 55.6667,
22.8736

 65.2124, 61.9220,
32.3747

70.3323, 68.8662,
44.2411

76.1771, 76.5231,
58.6217

82.7786, 84.9154,
75.6529

90.1662, 94.0642,
95.4614

Harmonies

Analogous

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



61.3016, 36.9824, 14.3493



49.1450, 36.9824, 4.8353



35.2589, 36.9824, 2.8468

Triad

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



49.1450, 36.9824, 4.8353



15.7614, 36.9824, 39.9588



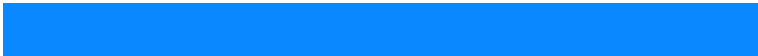
48.9113, 36.9824, 138.4221

Complementary

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



49.1450, 36.9824, 4.8353



26.9796, 24.8935, 97.9898

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.



35.0427, 36.9824, 160.7983



49.1450, 36.9824, 4.8353



17.7496, 36.9824, 86.6500

Square

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



49.1450, 36.9824, 4.8353



17.8182, 36.9824, 14.0815



24.1024, 36.9824, 137.7182



61.1451, 36.9824, 87.5468

Rectangle

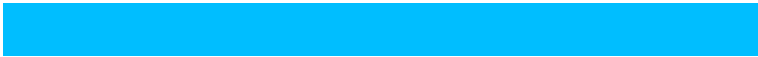
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.1450, 36.9824, 4.8353



27.4361, 36.9824, 3.6204



24.1024, 36.9824, 137.7182



44.1907, 36.9824, 150.5363

Sweetspot

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



49.1458, 36.9844, 4.8359



74.3906, 74.2082, 54.1458



45.8342, 23.2715, 25.5885



15.3895, 15.1849, 10.2782



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.



49.1458, 36.9844, 4.8359



48.4301, 35.6403, 4.3267



75.7654, 90.2235, 13.7091



18.7376, 19.4435, 18.9097



25.4539, 18.9191, 2.3102



2.5872, 2.0598, 0.2612

Inverse Universe

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



26.9796, 24.8935, 97.9898



26.1851, 23.4902, 97.7617



18.3335, 7.6012, 95.1077



17.7756, 18.9228, 22.9655



13.8325, 12.5745, 51.1327



1.4562, 1.4431, 5.0151

Previews

White Background



This preview shows how the XYZ color 49.1450, 36.9824, 4.8353 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 49.1450, 36.9824, 4.8353 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 49.1450, 36.9824, 4.8353

Background



This preview shows how black text looks on a background with the XYZ color 49.1450, 36.9824, 4.8353.



This preview shows how white text looks on a background with the XYZ color 49.1450, 36.9824,

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

49.1450, 36.9824, 4.8353

Protanopia

33.6276, 37.2905, 6.2896

Deuteranopia

37.6206, 37.0423, 5.1671



Tritanopia

52.3522, 37.0376, 25.5088

Trichromacy



Original Color

49.1450, 36.9824, 4.8353

Protanomaly

37.9241, 36.2051, 5.6056

Deuteranomaly

41.0413, 36.4138, 4.9803

Tritanomaly

50.2533, 36.5991, 13.2198

Monochromacy



Original Color

49.1450, 36.9824, 4.8353

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.5574, 31.8333, 16.6877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1450, 36.9824, 4.8353 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 10)  
}
```

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, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 10) }
```

Border

The CSS property to change the border of an element to XYZ 49.1450, 36.9824, 4.8353 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, 10) }
```


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

```
.border{ border-color:rgb(255, 129, 10) }
```

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, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 10);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1450, 36.9824, 4.8353 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, 10) }
```

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

```
.background{ background-color: rgb(255,  
129, 10) }
```

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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