

Converting Colors

XYZ(48.8077, 36.2996, 4.7478)

Have a look what the booklet for
XYZ(48.8077, 36.2996, 4.7478)
contains.

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Color

**XYZ(48.7613, 36.2059,
4.7350)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E0B
RGB	255, 126, 11
RGB Percent	100%, 49%, 4%
CMY	0.0000, 0.5058, 0.9568
CMYK	0.00, 0.51, 0.96, 0.00
HSL	28°, 100%, 52%
HSV	28°, 96%, 100%
XYZ	48.7613, 36.2059, 4.7350
YIQ	151.4610, 113.7990, -8.4170

Conversions

Conversions Part 2

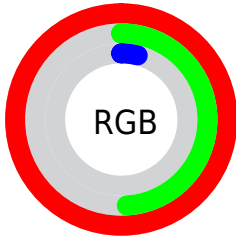
Format	Color
R _Y B	255, 229, 11
Decimal	16743947
CIE Lab	66.68, 43.90, 72.21
CIE LCh	67, 84.512, 58.704
Yxy	36.2059, 0.5436, 0.4036
Android (android.graphics.Color)	4294934027 (0xFFFF7E0B)
YUV	151.4610, -69.2473, 90.8037
Hunter-Lab	60.1713, 39.3520, 37.4543

Details

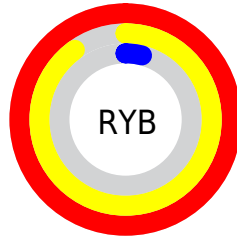
The XYZ color **48.7613, 36.2059, 4.7350** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.5658, 26.0468, 98.1817**, and the grayscale version is **29.8686, 31.4241, 34.2208**.

A 20% lighter version of the original color is **58.8658, 54.4243, 14.2399**, and **23.6840, 15.8447, 1.8101** is the 20% darker color. If you saturate the color by 10%, you get **47.9789, 34.7383, 4.1764**, and if you desaturate by 10%, it is **50.8696, 39.9976, 6.7492**.

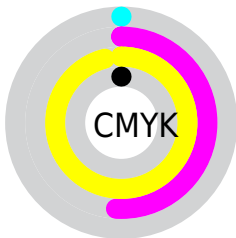
Distribution



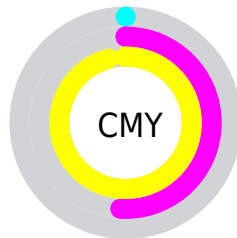
- Red (100%)
- Green (49%)
- Blue (4%)



- Red (100%)
- Yellow (90%)
- Blue (4%)



- Cyan (0%)
- Magenta (51%)
- Yellow (96%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7613, 36.2059, 4.7350 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 48.7613, 36.2059, 4.7350 by changing the saturation by 10% instead.


 48.7613, 36.2059,
4.7350


 48.7613, 36.2059,
4.7350


372.3344,
329.8596, 156.0747


 34.6439, 24.5933,
2.0366


 87.5397, 69.3497,
15.6723

 23.5539, 15.7743,
0.5777


 112.9314, 91.6497,
24.7482


 15.1260, 9.3646,
0.0000


 142.8119,
118.2810, 36.7871

 8.9948, 4.9797,
0.0000

 177.5467,
149.6279, 52.2075

 4.7948, 2.2354,
0.0000

 217.5009,
186.0748, 71.4279


 2.1609, 0.7392,
0.0000


 263.0400,


 0.7220, 0.0000,


228.0061, 94.8669


0.0000


 314.5294,
275.8062, 122.9429


 0.0000, 0.0000,
0.0000


 48.7613, 36.2059,
4.7350

 48.7613, 36.2059,
4.7350


 47.9789, 34.7383,
4.1764

 50.8696, 39.9976,
6.7492

 53.4958, 44.3805,
10.3053

 56.6992, 49.3932,
15.6713

 60.5284, 55.0675,
23.0638

 65.0255, 61.4326,
32.6682

70.2285, 68.5150,
44.6486

76.1720, 76.3398,
59.1535

82.8883, 84.9305,
76.3192

90.4074, 94.3095,
96.2719

Harmonies

Analogous

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



60.6631, 36.2059, 14.4250



48.7613, 36.2059, 4.7350



34.9692, 36.2059, 2.6633

Triad

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



48.7613, 36.2059, 4.7350



15.2806, 36.2059, 37.8576



47.5615, 36.2059, 138.4464

Complementary

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



48.7613, 36.2059, 4.7350



27.5658, 26.0468, 98.1817

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.



33.8619, 36.2059, 159.2785



48.7613, 36.2059, 4.7350



17.0956, 36.2059, 83.5977

Square

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



48.7613, 36.2059, 4.7350



17.4452, 36.2059, 13.0651



23.1973, 36.2059, 134.8152



59.8587, 36.2059, 88.2131

Rectangle

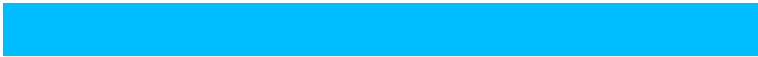
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7613, 36.2059, 4.7350



27.1434, 36.2059, 3.3226



23.1973, 36.2059, 134.8152



42.8760, 36.2059, 150.1118

Sweetspot

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



48.7621, 36.2079, 4.7356



74.1171, 73.6613, 54.0546



46.1773, 23.4265, 27.3405



15.3246, 15.0553, 10.2566



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.



48.7621, 36.2079, 4.7356



47.9793, 34.7386, 4.1764



74.5200, 87.7237, 13.3216



18.7154, 19.3989, 18.9023



25.2170, 18.4451, 2.2312



2.5636, 2.0126, 0.2533

Inverse Universe

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



27.5658, 26.0468, 98.1817



26.6876, 24.4951, 97.9292



18.4232, 7.7617, 95.1342



17.7980, 18.9676, 22.9730



14.0957, 13.1009, 51.2204



1.4819, 1.4945, 5.0236

Previews

White Background



This preview shows how the XYZ color 48.7613, 36.2059, 4.7350 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 48.7613, 36.2059, 4.7350 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 48.7613, 36.2059, 4.7350

Background



This preview shows how black text looks on a background with the XYZ color 48.7613, 36.2059, 4.7350.



This preview shows how white text looks on a background with the XYZ color 48.7613, 36.2059,

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

48.7613, 36.2059, 4.7350

Protanopia

32.8011, 36.3319, 6.2036

Deuteranopia

36.7324, 36.0903, 5.0301



Tritanopia

51.7872, 36.2252, 24.3414

Trichromacy



Original Color

48.7613, 36.2059, 4.7350

Protanomaly

37.3271, 35.4185, 5.5309

Deuteranomaly

40.4266, 35.6433, 4.8640

Tritanomaly

49.8392, 35.8349, 12.8843

Monochromacy



Original Color

48.7613, 36.2059, 4.7350

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.9595, 31.0849, 16.3194

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7613, 36.2059, 4.7350 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, 126, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 11)  
}
```

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, 126, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 11) }
```

Border

The CSS property to change the border of an element to XYZ 48.7613, 36.2059, 4.7350 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, 126, 11) }
```


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

```
.border{ border-color:rgb(255, 126, 11) }
```

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

Here you see how a box with a 4 pixel rgb(255, 126, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7613, 36.2059, 4.7350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 11) }
```

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

```
.background{ background-color: rgb(255,  
126, 11) }
```

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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