

Converting Colors

XYZ(48.1566, 34.9665, 4.6265)

Have a look what the booklet for
XYZ(48.1566, 34.9665, 4.6265)
contains.

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Color

**XYZ(48.1566, 34.9665,
4.6265)**

Conversions

Conversions Part 1

Format	Color
Hex	FF790E
RGB	255, 121, 14
RGB Percent	100%, 47%, 5%
CMY	0.0000, 0.5255, 0.9451
CMYK	0.00, 0.53, 0.95, 0.00
HSL	27°, 100%, 53%
HSV	27°, 95%, 100%
XYZ	48.1566, 34.9665, 4.6265
YIQ	148.8680, 114.2110, -4.8690

Conversions

Conversions Part 2

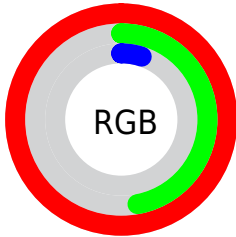
Format	Color
R_{YB}	255, 206, 14
Decimal	16742670
CIE _{Lab}	65.72, 46.35, 71.11
CIE _{LCh}	66, 84.884, 56.902
Yxy	34.9665, 0.5488, 0.3985
Android (android.graphics.Color)	4294932750 (0xFFFF790E)
YUV	148.8680, -66.4899, 93.0778
Hunter-Lab	59.1325, 41.8859, 36.7539

Details

The XYZ color **48.1566, 34.9665, 4.6265** 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 **28.8203, 28.4918, 98.5873**, and the grayscale version is **28.7502, 30.2475, 32.9395**.

A 20% lighter version of the original color is **58.1049, 52.8465, 14.1591**, and **23.3023, 15.0814, 1.6828** is the 20% darker color. If you saturate the color by 10%, you get **47.1695, 33.1196, 3.9066**, and if you desaturate by 10%, it is **50.3043, 38.7897, 6.7995**.

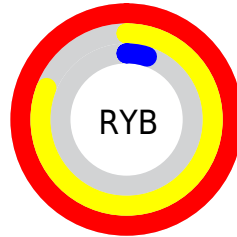
Distribution



Red (100%)

Green (47%)

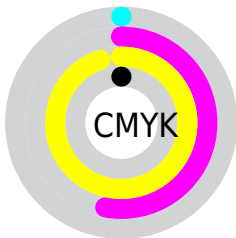
Blue (5%)



Red (100%)

Yellow (81%)

Blue (5%)

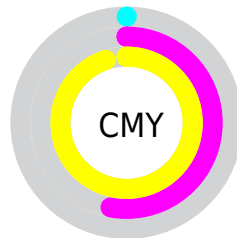


Cyan (0%)

Magenta (53%)

Yellow (95%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1566, 34.9665, 4.6265 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 48.1566, 34.9665, 4.6265 by changing the saturation by 10% instead.


 48.1566, 34.9665,
4.6265


 48.1566, 34.9665,
4.6265


369.9848,
324.4204, 154.9533


 34.1627, 23.6371,
1.9750


 86.6458, 67.4339,
15.4307


 23.1821, 15.0646,
0.5398


 111.8718, 89.3406,
24.4204


 14.8495, 8.8647,
0.0000


 141.5725,
115.5419, 36.3599

 8.7994, 4.6531,
0.0000

 176.1134,
146.4221, 51.6677

 4.6666, 2.0452,
0.0000

 215.8597,
182.3657, 70.7624


 2.0858, 0.6335,
0.0000

 261.1768,


 0.6815, 0.0000,


223.7570, 94.0626


0.0000


 312.4300,
270.9805, 121.9867


 0.0000, 0.0000,
0.0000


 48.1566, 34.9665,
4.6265


 48.1566, 34.9665,
4.6265


 47.1695, 33.1196,
3.9066

 50.3043, 38.7897,
6.7995

 52.9991, 43.2519,
10.5570

 56.3003, 48.3939,
16.1597

 60.2570, 54.2503,
23.8201

 64.9122, 60.8522,
33.7213

70.3045, 68.2288,
46.0258

76.4697, 76.4073,
60.8808

83.4407, 85.4132,
78.4217

91.2484, 95.2709,
98.7742

Harmonies

Analogous

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



59.5947, 34.9665, 14.6540



48.1566, 34.9665, 4.6265



34.5499, 34.9665, 2.4083

Triad

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



48.1566, 34.9665, 4.6265



14.5534, 34.9665, 34.4741



45.3342, 34.9665, 138.3048

Complementary

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



48.1566, 34.9665, 4.6265



28.8203, 28.4918, 98.5873

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.



31.9532, 34.9665, 156.4009



48.1566, 34.9665, 4.6265



16.0832, 34.9665, 78.4646

Square

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



48.1566, 34.9665, 4.6265



16.8968, 34.9665, 11.5037



21.7655, 34.9665, 129.7031



57.6990, 34.9665, 89.3631

Rectangle

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



48.1566, 34.9665, 4.6265



26.7272, 34.9665, 2.8936



21.7655, 34.9665, 129.7031



40.7209, 34.9665, 149.1495

Sweetspot

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



48.1574, 34.9684, 4.6271



74.2273, 73.4589, 55.3947



46.9476, 23.7944, 31.2132



15.3231, 14.9728, 10.5008



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.



48.1574, 34.9684, 4.6271



47.1700, 33.1199, 3.9067



72.1657, 82.9851, 12.6299



18.6732, 19.3146, 18.8882



24.7907, 17.5927, 2.0891



2.5207, 1.9267, 0.2390

Inverse Universe

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



28.8203, 28.4918, 98.5873



27.6900, 26.4999, 98.2633



18.6971, 8.2455, 95.2129



17.8406, 19.0528, 22.9872



14.6200, 14.1495, 51.3952



1.5325, 1.5957, 5.0405

Previews

White Background



This preview shows how the XYZ color 48.1566, 34.9665, 4.6265 looks on a white background.

Color Contrast Check

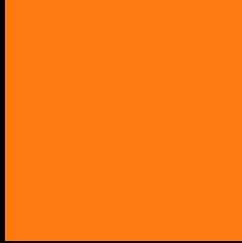
Large Text (above 18pt) WCAG AA × Fail

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 48.1566, 34.9665, 4.6265 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 48.1566, 34.9665, 4.6265

Background



This preview shows how black text looks on a background with the XYZ color 48.1566, 34.9665, 4.6265.



This preview shows how white text looks on a background with the XYZ color 48.1566, 34.9665,

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

48.1566, 34.9665, 4.6265

Protanopia

31.5910, 34.9240, 6.1129

Deuteranopia

35.5854, 35.0130, 4.8826



Tritanopia

50.8836, 34.9266, 22.4720

Trichromacy



Original Color

48.1566, 34.9665, 4.6265

Protanomaly

36.1558, 33.8811, 5.3931

Deuteranomaly

39.3711, 34.4329, 4.7147

Tritanomaly

49.1626, 34.6071, 12.2723

Monochromacy



Original Color

48.1566, 34.9665, 4.6265

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

32.2719, 30.0767, 16.1611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1566, 34.9665, 4.6265 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, 121, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 121, 14)  
}
```

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, 121, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 121, 14) }
```

Border

The CSS property to change the border of an element to XYZ 48.1566, 34.9665, 4.6265 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, 121, 14) }
```


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

```
.border{ border-color:rgb(255, 121, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 121, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 121, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 121, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 121,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1566, 34.9665, 4.6265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 121, 14) }
```

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

```
.background{ background-color: rgb(255,  
121, 14) }
```

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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