

Converting Colors

XYZ(47.4734, 34.2715, 4.1129)

Have a look what the booklet for
XYZ(47.4734, 34.2715, 4.1129)
contains.

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Color

**XYZ(47.4699, 34.2645,
4.1118)**

Conversions

Conversions Part 1

Format	Color
Hex	FE7700
RGB	254, 119, 0
RGB Percent	100%, 47%, 0%
CMY	0.0039, 0.5333, 1.0000
CMYK	0.00, 0.53, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	47.4699, 34.2645, 4.1118
YIQ	145.7990, 118.6590, -8.3890

Conversions

Conversions Part 2

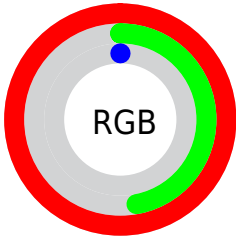
Format	Color
RYB	254, 224, 0
Decimal	16676608
CIELab	65.17, 46.82, 72.85
CIElCh	65, 86.601, 57.271
Yxy	34.2645, 0.5530, 0.3991
Android (android.graphics.Color)	4294866688 (0xFFFE7700)
YUV	145.7990, -71.8789, 94.8923
Hunter-Lab	58.5359, 42.3175, 36.8103

Details

The XYZ color **47.4699, 34.2645, 4.1118** 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 **26.5533, 24.4837, 97.0915**, and the grayscale version is **27.4920, 28.9237, 31.4979**.

A 20% lighter version of the original color is **57.5134, 51.9870, 12.9645**, and **22.9345, 14.7152, 1.6315** is the 20% darker color. If you saturate the color by 10%, you get **47.4700, 34.2652, 4.1119**, and if you desaturate by 10%, it is **49.3730, 37.7834, 5.6337**.

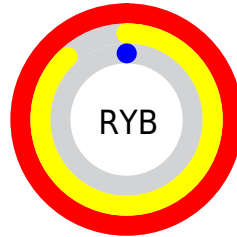
Distribution



Red (100%)

Green (47%)

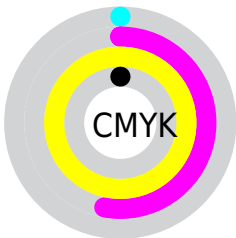
Blue (0%)



Red (100%)

Yellow (88%)

Blue (0%)

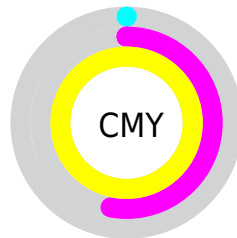


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4699, 34.2645, 4.1118 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 47.4699, 34.2645, 4.1118 by changing the saturation by 10% instead.


 47.4699, 34.2645,
4.1118


 47.4699, 34.2645,
4.1118


367.3047,
321.3098, 149.4600


 33.6168, 23.0969,
1.6869


 85.6291, 66.3448,
14.2668

 22.7609, 14.6651,
0.3517


 110.6659, 88.0262,
22.8339

 14.5367, 8.5847,
0.0000


 140.1613,
113.9810, 34.2856

 8.5791, 4.4713,
0.0000

 174.4806,
144.5937, 49.0403

 4.5226, 1.9405,
0.0000

 213.9893,
180.2484, 67.5165


 2.0018, 0.5726,
0.0000


 259.0526,


 0.6350, 0.0000,


221.3298, 90.1328


0.0000


 310.0360,
268.2221, 117.3078


 0.0000, 0.0000,
0.0000


 47.4699, 34.2645,
4.1118


 47.4699, 34.2645,
4.1118


 47.4700, 34.2652,
4.1119

 49.3730, 37.7834,
5.6337

 51.7462, 41.8682,
8.4640

 54.6701, 46.5665,
12.9825

 58.1965, 51.9120,
19.4217

 62.3699, 57.9348,
27.9770

67.2294, 64.6624,
38.8194

72.8110, 72.1206,
52.1020

79.1476, 80.3334,
67.9648

86.2698, 89.3237,
86.5369

Harmonies

Analogous

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



59.1380, 34.2645, 13.7213



47.4699, 34.2645, 4.1118



33.7323, 34.2645, 2.0782

Triad

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



47.4699, 34.2645, 4.1118



13.8919, 34.2645, 34.1072



44.9522, 34.2645, 138.9339

Complementary

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



47.4699, 34.2645, 4.1118



26.5533, 24.4837, 97.0915

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.



31.4296, 34.2645, 158.0562



47.4699, 34.2645, 4.1118



15.4547, 34.2645, 78.8905

Square

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



47.4699, 34.2645, 4.1118



16.1657, 34.2645, 10.9935



21.1643, 34.2645, 131.1618



57.4409, 34.2645, 88.6780

Rectangle

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



47.4699, 34.2645, 4.1118



25.9023, 34.2645, 2.5546



21.1643, 34.2645, 131.1618



40.2877, 34.2645, 150.2188

Sweetspot

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



47.4706, 34.2664, 4.1124



73.4594, 72.7608, 52.5557



45.2792, 22.8334, 25.1166



15.1956, 14.8751, 9.9733



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.



47.4706, 34.2664, 4.1124



47.8932, 34.5664, 4.1477



73.6866, 86.6983, 12.8510



18.7110, 19.3902, 18.9008



25.1717, 18.3546, 2.2161



2.5591, 2.0035, 0.2518

Inverse Universe

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



26.5533, 24.4837, 97.0915



26.7877, 24.6955, 97.9626



17.9814, 7.3398, 94.2342



17.8024, 18.9763, 22.9745



14.1481, 13.2058, 51.2379



1.4870, 1.5046, 5.0253

Previews

White Background



This preview shows how the XYZ color 47.4699, 34.2645, 4.1118 looks on a white background.

Color Contrast Check

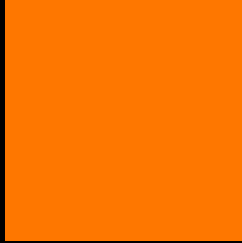
Large Text (above 18pt) WCAG AA × Fail

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 47.4699, 34.2645, 4.1118 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 47.4699, 34.2645, 4.1118

Background



This preview shows how black text looks on a background with the XYZ color 47.4699, 34.2645, 4.1118.



This preview shows how white text looks on a background with the XYZ color 47.4699, 34.2645,

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

47.4699, 34.2645, 4.1118

Protanopia

31.1432, 34.4418, 5.8171

Deuteranopia

34.8860, 34.4126, 4.8036



Tritanopia

50.5353, 34.4263, 21.7507

Trichromacy



Original Color

47.4699, 34.2645, 4.1118

Protanomaly

35.5131, 33.1028, 4.9697

Deuteranomaly

38.7478, 33.6809, 4.4588

Tritanomaly

48.6752, 34.0433, 10.8430

Monochromacy



Original Color

47.4699, 34.2645, 4.1118

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

30.7875, 28.7129, 14.2754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4699, 34.2645, 4.1118 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(254, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 119, 0)  
}
```

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(254, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.4699, 34.2645, 4.1118 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(254, 119, 0) }
```


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

```
.border{ border-color:rgb(254, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4699, 34.2645, 4.1118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 119, 0) }
```

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

```
.background{ background-color: rgb(254,  
119, 0) }
```

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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