

Converting Colors

XYZ(47.8400, 34.3185, 4.5660)

Have a look what the booklet for
XYZ(47.8400, 34.3185, 4.5660)
contains.

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Color

**XYZ(47.8047, 34.2514,
4.5435)**

Conversions

Conversions Part 1

Format	Color
Hex	FF760F
RGB	255, 118, 15
RGB Percent	100%, 46%, 6%
CMY	0.0000, 0.5372, 0.9412
CMYK	0.00, 0.54, 0.94, 0.00
HSL	26°, 100%, 53%
HSV	26°, 94%, 100%
XYZ	47.8047, 34.2514, 4.5435
YIQ	147.2210, 114.7150, -2.9890

Conversions

Conversions Part 2

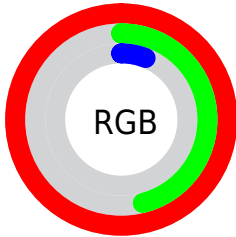
Format	Color
R _Y B	255, 195, 15
Decimal	16741903
CIE Lab	65.16, 47.80, 70.56
CIE LCh	65, 85.228, 55.888
Yxy	34.2514, 0.5520, 0.3955
Android (android.graphics.Color)	4294931983 (0xFFFF760F)
YUV	147.2210, -65.1850, 94.5222
Hunter-Lab	58.5247, 43.3859, 36.3644

Details

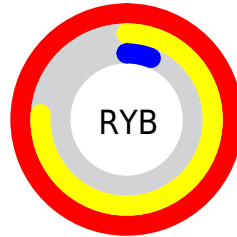
The XYZ color **47.8047, 34.2514, 4.5435** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **29.4745, 29.7767, 98.8011**, and the grayscale version is **28.0545, 29.5155, 32.1424**.

A 20% lighter version of the original color is **57.5231, 51.6830, 13.9652**, and **23.1255, 14.7277, 1.6239** is the 20% darker color. If you saturate the color by 10%, you get **46.7558, 32.2920, 3.7687**, and if you desaturate by 10%, it is **49.9594, 38.0726, 6.7684**.

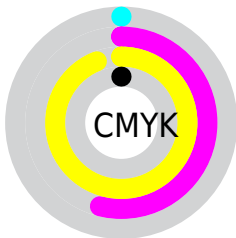
Distribution



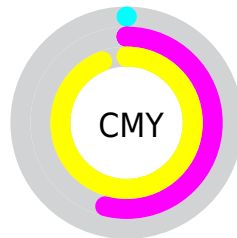
- Red (100%)
- Green (46%)
- Blue (6%)



- Red (100%)
- Yellow (76%)
- Blue (6%)



- Cyan (0%)
- Magenta (54%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8047, 34.2514, 4.5435 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 47.8047, 34.2514, 4.5435 by changing the saturation by 10% instead.


 47.8047, 34.2514,
4.5435


 47.8047, 34.2514,
4.5435


368.6130,
321.2516, 154.0873

 33.8829, 23.0868,
1.9280


 86.1250, 66.3244,
15.2450


 22.9661, 14.6576,
0.5105


 111.2542, 88.0016,
24.1681


 14.6890, 8.5794,
0.0000


 140.8499,
113.9518, 36.0308

 8.6863, 4.4679,
0.0000

 175.2774,
144.5594, 51.2516

 4.5926, 1.9386,
0.0000

 214.9021,
180.2088, 70.2492


 2.0426, 0.5714,
0.0000

 260.0893,


 0.6577, 0.0000,


221.2844, 93.4419


0.0000


 311.2045,
268.1705, 121.2485


 0.0000, 0.0000,
0.0000


 47.8047, 34.2514,
4.5435


 47.8047, 34.2514,
4.5435


 46.7558, 32.2920,
3.7687

 49.9594, 38.0726,
6.7684

 52.6756, 42.5580,
10.5933

 56.0132, 47.7504,
16.2767

 60.0216, 53.6857,
24.0301

 64.7445, 60.3967,
34.0358

70.2213, 67.9138,
46.4559

76.4882, 76.2655,
61.4373

83.5786, 85.4787,
79.1152

91.5241, 95.5791,
99.6152

Harmonies

Analogous

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



58.9950, 34.2514, 14.7525



47.8047, 34.2514, 4.5435



34.2911, 34.2514, 2.2552

Triad

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



47.8047, 34.2514, 4.5435



14.1225, 34.2514, 32.6179



44.0876, 34.2514, 138.3245

Complementary

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



47.8047, 34.2514, 4.5435



29.4745, 29.7767, 98.8011

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.



30.8784, 34.2514, 154.9110



47.8047, 34.2514, 4.5435



15.4981, 34.2514, 75.6587

Square

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



47.8047, 34.2514, 4.5435



16.5617, 34.2514, 10.6457



20.9514, 34.2514, 126.9435



56.4951, 34.2514, 90.0484

Rectangle

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



47.8047, 34.2514, 4.5435



26.4661, 34.2514, 2.6503



20.9514, 34.2514, 126.9435



39.5126, 34.2514, 148.7221

Sweetspot

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



47.8054, 34.2533, 4.5441



73.9583, 72.9208, 55.3050



47.3272, 23.9683, 33.1431



15.2591, 14.8449, 10.4794



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.



47.8054, 34.2533, 4.5441



46.7561, 32.2922, 3.7687



71.0342, 80.7108, 12.2870



18.6504, 19.2690, 18.8806



24.5723, 17.1559, 2.0163



2.4984, 1.8821, 0.2316

Inverse Universe

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



29.4745, 29.7767, 98.8011



28.2606, 27.6412, 98.4535



18.8481, 8.5239, 95.2589



17.8638, 19.0992, 22.9949



14.9180, 14.7456, 51.4945



1.5610, 1.6528, 5.0500

Previews

White Background



This preview shows how the XYZ color 47.8047, 34.2514, 4.5435 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 47.8047, 34.2514, 4.5435 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 47.8047, 34.2514, 4.5435

Background



This preview shows how black text looks on a background with the XYZ color 47.8047, 34.2514, 4.5435.



This preview shows how white text looks on a background with the XYZ color 47.8047, 34.2514,

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

47.8047, 34.2514, 4.5435

Protanopia

31.1981, 34.4638, 6.1065

Deuteranopia

34.7258, 34.0921, 4.7502



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

47.8047, 34.2514, 4.5435

Protanomaly

35.8600, 33.2738, 5.3431

Deuteranomaly

38.6311, 33.4036, 4.5550

Tritanomaly

48.7425, 33.8887, 11.7567

Monochromacy



Original Color

47.8047, 34.2514, 4.5435

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.3060, 28.9483, 15.7420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8047, 34.2514, 4.5435 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, 118, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 15)  
}
```

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, 118, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 15) }
```

Border

The CSS property to change the border of an element to XYZ 47.8047, 34.2514, 4.5435 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, 118, 15) }
```


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

```
.border{ border-color:rgb(255, 118, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8047, 34.2514, 4.5435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 15) }
```

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

```
.background{ background-color: rgb(255,  
118, 15) }
```

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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