

Converting Colors

XYZ(47.9792, 34.4022, 5.2134)

Have a look what the booklet for
XYZ(47.9792, 34.4022, 5.2134)
contains.

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Color

**XYZ(47.9280, 34.3007,
5.1932)**

Conversions

Conversions Part 1

Format	Color
Hex	FF761C
RGB	255, 118, 28
RGB Percent	100%, 46%, 11%
CMY	0.0000, 0.5372, 0.8902
CMYK	0.00, 0.54, 0.89, 0.00
HSL	24°, 100%, 55%
HSV	24°, 89%, 100%
XYZ	47.9280, 34.3007, 5.1932
YIQ	148.7030, 110.5420, 1.0540

Conversions

Conversions Part 2

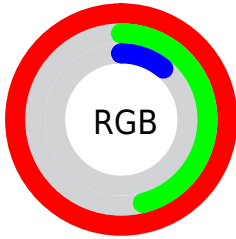
Format	Color
R _Y B	255, 177, 28
Decimal	16741916
CIE Lab	65.20, 47.97, 67.47
CIE LCh	65, 82.785, 54.588
Yxy	34.3007, 0.5482, 0.3924
Android (android.graphics.Color)	4294931996 (0xFFFF761C)
YUV	148.7030, -59.5066, 93.2225
Hunter-Lab	58.5668, 43.5831, 35.7394

Details

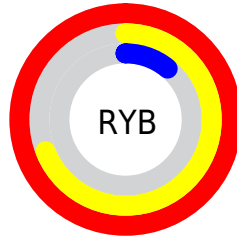
The XYZ color **47.9280, 34.3007, 5.1932** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **31.9828, 34.3749, 99.5562**, and the grayscale version is **28.6531, 30.1453, 32.8282**.

A 20% lighter version of the original color is **57.7838, 51.7872, 15.3379**, and **23.1255, 14.7277, 1.6239** is the 20% darker color. If you saturate the color by 10%, you get **46.0659, 30.8903, 3.6064**, and if you desaturate by 10%, it is **50.3360, 38.4057, 8.1892**.

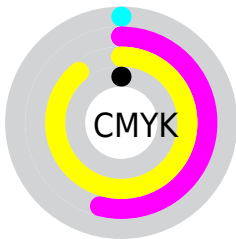
Distribution



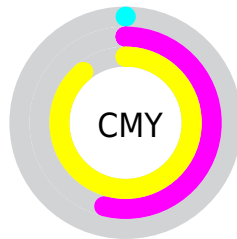
- Red (100%)
- Green (46%)
- Blue (11%)



- Red (100%)
- Yellow (69%)
- Blue (11%)



- Cyan (0%)
- Magenta (54%)
- Yellow (89%)
- Black (0%)





- Cyan (0%)
- Magenta (54%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9280, 34.3007, 5.1932 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 47.9280, 34.3007, 5.1932 by changing the saturation by 10% instead.


 47.9280, 34.3007,
5.1932

 47.9280, 34.3007,
5.1932

369.0940,
321.4708, 160.6855


 33.9809, 23.1247,
2.3003


 86.3075, 66.4010,
16.6796


 23.0417, 14.6856,
0.7314


 111.4707, 88.0941,
26.1102


 14.7452, 8.5990,
0.0000


 141.1032,
114.0617, 38.5571

 8.7259, 4.4806,
0.0000

 175.5705,
144.6882, 54.4389

 4.6185, 1.9459,
0.0000

 215.2378,
180.3579, 74.1741

 2.0576, 0.5757,
0.0000

 260.4706,

 0.6660, 0.0000,

221.4553, 98.1812

0.0000

311.6342,
268.3648, 126.8789

■ 0.0000, 0.0000,
0.0000

■ 47.9280, 34.3007,
5.1932

■ 47.9280, 34.3007,
5.1932

■ 46.0659, 30.8903,
3.6064

■ 50.3360, 38.4057,
8.1892

■ 45.9039, 30.5883,
3.4847

■ 53.3648, 43.2519,
12.9336

■ 57.0709, 48.8835,
19.6586

■ 61.5027, 55.3387,
28.5601

■ 66.7032, 62.6529,
39.8099

72.7118, 70.8588,
53.5624

79.5649, 79.9875,
69.9589

87.2966, 90.0684,
89.1299

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



58.4867, 34.3007, 16.0070



47.9280, 34.3007, 5.1932



34.8329, 34.3007, 2.5989

Triad

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



47.9280, 34.3007, 5.1932



14.5686, 34.3007, 31.4404



43.2057, 34.3007, 135.7940

Complementary

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



47.9280, 34.3007, 5.1932



31.9828, 34.3749, 99.5562

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.



30.4680, 34.3007, 149.7530



47.9280, 34.3007, 5.1932



15.7658, 34.3007, 72.2533

Square

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



47.9280, 34.3007, 5.1932



17.1487, 34.3007, 10.6087



20.9501, 34.3007, 121.5469



55.3239, 34.3007, 90.3955

Rectangle

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



47.9280, 34.3007, 5.1932



27.1155, 34.3007, 2.9229



20.9501, 34.3007, 121.5469



38.7822, 34.3007, 145.1559

Sweetspot

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



47.9287, 34.3026, 5.1938



74.0264, 72.6265, 56.6547



48.7214, 24.9170, 39.2796



15.3732, 14.9099, 11.0203



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.



47.9287, 34.3026, 5.1938



45.9043, 30.5886, 3.4848



69.3349, 77.1149, 12.3292



18.6003, 19.1688, 18.8639



24.1217, 16.2546, 1.8661



2.4517, 1.7888, 0.2161

Inverse Universe

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



31.9828, 34.3749, 99.5562



29.5876, 30.2951, 98.8959



19.8707, 10.1507, 95.5189



17.9151, 19.2018, 23.0120



15.6100, 16.1296, 51.7252



1.6266, 1.7840, 5.0719

Previews

White Background



This preview shows how the XYZ color 47.9280, 34.3007, 5.1932 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 47.9280, 34.3007, 5.1932 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 47.9280, 34.3007, 5.1932

Background



This preview shows how black text looks on a background with the XYZ color 47.9280, 34.3007, 5.1932.



This preview shows how white text looks on a background with the XYZ color 47.9280, 34.3007,

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

47.9280, 34.3007, 5.1932

Protanopia

31.1244, 34.4077, 6.9204

Deuteranopia

34.9937, 34.2302, 4.7627



Tritanopia

50.4749, 34.4022, 21.4327

Trichromacy



Original Color

47.9280, 34.3007, 5.1932

Protanomaly

35.7302, 33.1897, 6.1132

Deuteranomaly

38.9621, 33.5710, 4.7135

Tritanomaly

49.0504, 34.1934, 12.8188

Monochromacy



Original Color

47.9280, 34.3007, 5.1932

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

32.3773, 29.8882, 17.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9280, 34.3007, 5.1932 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, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 28)  
}
```

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, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 28) }
```

Border

The CSS property to change the border of an element to XYZ 47.9280, 34.3007, 5.1932 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, 28) }
```


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

```
.border{ border-color:rgb(255, 118, 28) }
```

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, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9280, 34.3007, 5.1932 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, 28) }
```

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

```
.background{ background-color: rgb(255,  
118, 28) }
```

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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