

Converting Colors

XYZ(48.1601, 34.8101, 5.1313)

Have a look what the booklet for
XYZ(48.1601, 34.8101, 5.1313)
contains.

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Color

**XYZ(48.1429, 34.7675,
5.1507)**

Conversions

Conversions Part 1	
Format	Color
Hex	FF781A
RGB	255, 120, 26
RGB Percent	100%, 47%, 10%
CMY	0.0000, 0.5294, 0.8980
CMYK	0.00, 0.53, 0.90, 0.00
HSL	25°, 100%, 55%
HSV	25°, 90%, 100%
XYZ	48.1429, 34.7675, 5.1507
YIQ	149.6490, 110.6340, -0.6140

Conversions

Conversions Part 2

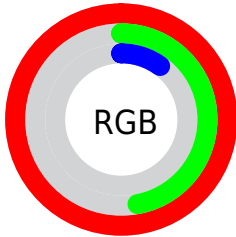
Format	Color
RYB	255, 185, 26
Decimal	16742426
CIELab	65.57, 46.98, 68.30
CIELCh	66, 82.901, 55.476
Yxy	34.7675, 0.5467, 0.3948
Android (android.graphics.Color)	4294932506 (0xFFFF781A)
YUV	149.6490, -60.9590, 92.3928
Hunter-Lab	58.9640, 42.5547, 36.0956

Details

The XYZ color **48.1429, 34.7675, 5.1507** 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 **31.2200, 32.9277, 99.3171**, and the grayscale version is **29.0592, 30.5726, 33.2935**.

A 20% lighter version of the original color is **58.1313, 52.5445, 15.2619**, and **23.2424, 14.9615, 1.6628** is the 20% darker color. If you saturate the color by 10%, you get **46.2916, 31.3593, 3.6276**, and if you desaturate by 10%, it is **50.5180, 38.8426, 8.0254**.

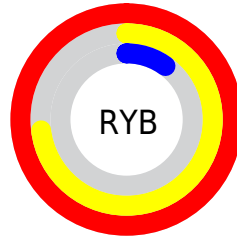
Distribution



Red (100%)

Green (47%)

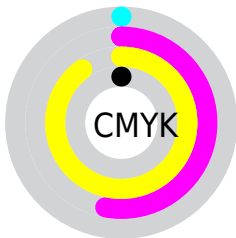
Blue (10%)



Red (100%)

Yellow (73%)

Blue (10%)

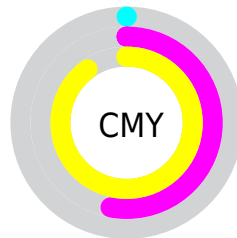


Cyan (0%)

Magenta (53%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1429, 34.7675, 5.1507 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 48.1429, 34.7675, 5.1507 by changing the saturation by 10% instead.


 48.1429, 34.7675,
5.1507


 48.1429, 34.7675,
5.1507


369.9314,
323.5409, 160.2659


 34.1518, 23.4838,
2.2757


 86.6255, 67.1254,
16.5870

 23.1737, 14.9512,
0.7175

 111.8478, 88.9685,
25.9853

 14.8432, 8.7851,
0.0000


 141.5444,
115.1001, 38.3951

 8.7950, 4.6013,
0.0000

 176.0809,
145.9047, 54.2350

 4.6638, 2.0153,
0.0000

 215.8224,
181.7667, 73.9235

 2.0841, 0.6163,
0.0000


 261.1345,


 0.6805, 0.0000,


223.0705, 97.8791


0.0000


312.3824,
270.2004, 126.5204


 0.0000, 0.0000,
0.0000

 48.1429, 34.7675,
5.1507


 48.1429, 34.7675,
5.1507


 46.2916, 31.3593,
3.6276


 50.5180, 38.8426,
8.0254


 46.2586, 31.2977,
3.6030


 53.4973, 43.6316,
12.6242


 57.1370, 49.1772,
19.1827

 61.4851, 55.5162,
27.8987

 66.5841, 62.6823,
38.9454

 72.4729, 70.7070,
52.4781

 79.1875, 79.6200,
68.6388

 86.7612, 89.4493,
87.5585

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.



58.9589, 34.7675, 15.7444



48.1429, 34.7675, 5.1507



34.9237, 34.7675, 2.6543

Triad

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



48.1429, 34.7675, 5.1507



14.7910, 34.7675, 32.8172



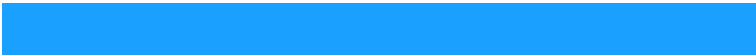
44.1543, 34.7675, 136.1597

Complementary

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



48.1429, 34.7675, 5.1507



31.2200, 32.9277, 99.3171

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.



31.2358, 34.7675, 151.4933



48.1429, 34.7675, 5.1507



16.1161, 34.7675, 74.5700

Square

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



48.1429, 34.7675, 5.1507



17.2856, 34.7675, 11.1785



21.4889, 34.7675, 124.1361



56.2880, 34.7675, 89.8851

Rectangle

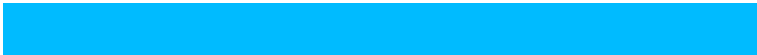
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1429, 34.7675, 5.1507



27.1922, 34.7675, 3.0497



21.4889, 34.7675, 124.1361



39.6836, 34.7675, 145.9692

Sweetspot

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



48.1437, 34.7694, 5.1513



74.2702, 73.1142, 56.7360



48.2560, 24.6576, 37.0552



15.4301, 15.0237, 11.0393



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.



48.1437, 34.7694, 5.1513



46.2590, 31.2980, 3.6030



70.3108, 79.1037, 12.5403



18.6217, 19.2117, 18.8711



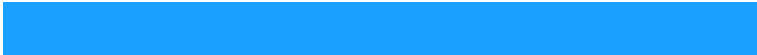
24.3095, 16.6303, 1.9287



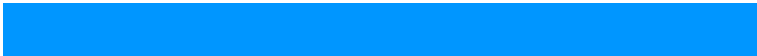
2.4713, 1.8280, 0.2226

Inverse Universe

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



31.2200, 32.9277, 99.3171



29.0076, 29.1352, 98.7025



19.5703, 9.6282, 95.4339



17.8931, 19.1578, 23.0047



15.3077, 15.5250, 51.6244



1.5981, 1.7269, 5.0624

Previews

White Background



This preview shows how the XYZ color 48.1429, 34.7675, 5.1507 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 48.1429, 34.7675, 5.1507 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 48.1429, 34.7675, 5.1507

Background



This preview shows how black text looks on a background with the XYZ color 48.1429, 34.7675, 5.1507.



This preview shows how white text looks on a background with the XYZ color 48.1429, 34.7675,

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

48.1429, 34.7675, 5.1507

Protanopia

31.7271, 34.9785, 6.8296

Deuteranopia

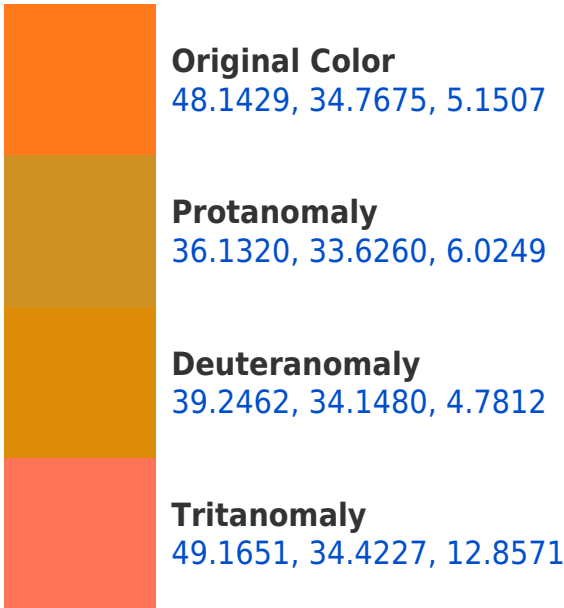
35.4237, 34.6898, 4.8288



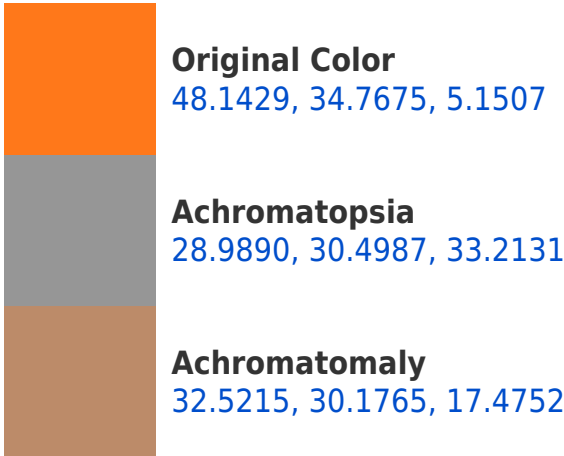
Tritanopia

50.7085, 34.6751, 22.1095

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1429, 34.7675, 5.1507 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, 120, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 26)  
}
```

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, 120, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 26) }
```

Border

The CSS property to change the border of an element to XYZ 48.1429, 34.7675, 5.1507 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, 120, 26) }
```


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

```
.border{ border-color:rgb(255, 120, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 120, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1429, 34.7675, 5.1507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 26) }
```

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

```
.background{ background-color: rgb(255,  
120, 26) }
```

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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