

Converting Colors

XYZ(48.1818, 34.2224, 7.0840)

Have a look what the booklet for
XYZ(48.1818, 34.2224, 7.0840)
contains.

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Color

**XYZ(48.1770, 34.2129,
7.0821)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7532
RGB	255, 117, 50
RGB Percent	100%, 46%, 20%
CMY	0.0000, 0.5411, 0.8039
CMYK	0.00, 0.54, 0.80, 0.00
HSL	20°, 100%, 60%
HSV	20°, 80%, 100%
XYZ	48.1770, 34.2129, 7.0821
YIQ	150.6240, 103.7550, 8.4190

Conversions

Conversions Part 2

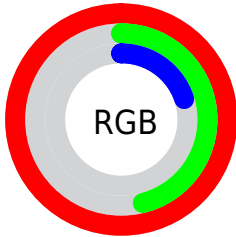
Format	Color
R _Y B	255, 150, 50
Decimal	16741682
CIE Lab	65.13, 48.96, 59.45
CIE LCh	65, 77.013, 50.528
Yxy	34.2129, 0.5385, 0.3824
Android (android.graphics.Color)	4294931762 (0xFFFF7532)
YUV	150.6240, -49.6076, 91.5378
Hunter-Lab	58.4918, 44.6616, 33.7655

Details

The XYZ color **48.1770, 34.2129, 7.0821** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **37.3468, 43.8610, 101.1046**, and the grayscale version is **29.4301, 30.9627, 33.7184**.

A 20% lighter version of the original color is **58.3415, 51.7046, 19.2170**, and **23.2634, 14.6314, 1.5980** is the 20% darker color. If you saturate the color by 10%, you get **45.9520, 30.4124, 4.3400**, and if you desaturate by 10%, it is **51.0760, 38.8730, 11.5582**.

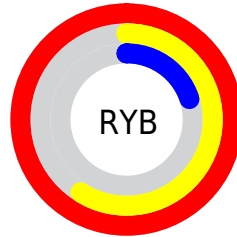
Distribution



Red (100%)

Green (46%)

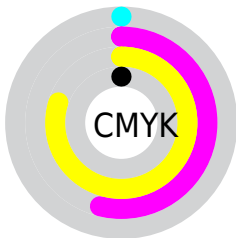
Blue (20%)



Red (100%)

Yellow (59%)

Blue (20%)

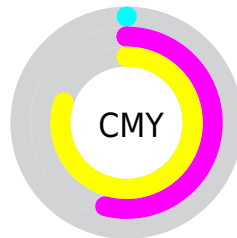


Cyan (0%)

Magenta (54%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (54%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1770, 34.2129, 7.0821 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 48.1770, 34.2129, 7.0821 by changing the saturation by 10% instead.


 48.1770, 34.2129,
7.0821


 48.1770, 34.2129,
7.0821


370.0642,
321.0803, 178.0009


 34.1789, 23.0572,
3.4343


 86.6760, 66.2646,
20.6539


 23.1946, 14.6358,
1.3204


 111.9076, 87.9294,
31.4149


 14.8588, 8.5641,
0.0784


 141.6144,
113.8660, 45.3840

 8.8060, 4.4580,
0.0000

 176.1618,
144.4589, 62.9799

 4.6709, 1.9329,
0.0000

 215.9151,
180.0923, 84.6209

 2.0883, 0.5681,
0.0000

 261.2397,

 0.6828, 0.0000,

221.1508, 110.7258

0.0000

312.5010,
268.0187, 141.7129

■ 0.0000, 0.0000,
0.0000

■ 48.1770, 34.2129,
7.0821

■ 48.1770, 34.2129,
7.0821

■ 45.9520, 30.4124,
4.3400

■ 51.0760, 38.8730,
11.5582

■ 44.3599, 27.5002,
2.9701

■ 54.7099, 44.4418,
18.0069

■ 59.1337, 50.9706,
26.6304

■ 64.3963, 58.5050,
37.6049

■ 70.5420, 67.0872,
51.0885

■ 77.6119, 76.7569,
67.2256

■ 85.6442, 87.5516,
86.1492

94.6750, 99.5071,
107.9836

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



57.0729, 34.2129, 19.5737



48.1770, 34.2129, 7.0821



36.1836, 34.2129, 3.5542

Triad

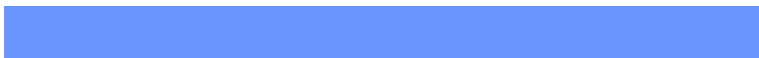
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.1770, 34.2129, 7.0821



15.5971, 34.2129, 28.0161



40.6487, 34.2129, 129.6895

Complementary

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



48.1770, 34.2129, 7.0821



37.3468, 43.8610, 101.1046

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.



29.1093, 34.2129, 136.8653



48.1770, 34.2129, 7.0821



16.2628, 34.2129, 63.2613

Square

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



48.1770, 34.2129, 7.0821



18.5937, 34.2129, 10.2307



20.6837, 34.2129, 107.7931



52.0816, 34.2129, 91.6526

Rectangle

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



48.1770, 34.2129, 7.0821



28.7488, 34.2129, 3.5955



20.6837, 34.2129, 107.7931



36.6038, 34.2129, 136.3972

Sweetspot

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



48.1778, 34.2148, 7.0827



74.9522, 73.1402, 61.0883



51.6837, 27.2625, 51.3011



15.5066, 14.9210, 11.8532



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.



48.1778, 34.2148, 7.0827



44.9704, 28.6314, 3.4491



66.7357, 71.3307, 13.2687



18.4942, 18.9566, 18.8286



23.2995, 14.6102, 1.5920



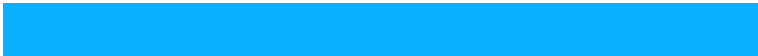
2.3633, 1.6120, 0.1866

Inverse Universe

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



37.3468, 43.8610, 101.1046



33.5042, 37.9389, 100.1648



22.8210, 14.8095, 96.2627



18.0251, 19.4218, 23.0487



17.2471, 19.4037, 52.2709



1.7790, 2.0887, 5.1227

Previews

White Background



This preview shows how the XYZ color 48.1770, 34.2129, 7.0821 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 48.1770, 34.2129, 7.0821 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 48.1770, 34.2129, 7.0821

Background



This preview shows how black text looks on a background with the XYZ color 48.1770, 34.2129, 7.0821.



This preview shows how white text looks on a background with the XYZ color 48.1770, 34.2129,

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

48.1770, 34.2129, 7.0821

Protanopia

31.3719, 34.4803, 9.4168

Deuteranopia

34.8094, 34.0947, 6.5800



Tritanopia

50.3639, 34.1803, 21.3957

Trichromacy



Original Color

48.1770, 34.2129, 7.0821

Protanomaly

35.8886, 33.2211, 8.3917

Deuteranomaly

38.7198, 33.4042, 6.5974

Tritanomaly

49.2777, 34.1028, 14.5749

Monochromacy



Original Color

48.1770, 34.2129, 7.0821

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

33.2561, 30.4990, 20.0537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1770, 34.2129, 7.0821 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, 117, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 117, 50)  
}
```

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, 117, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 117, 50) }
```

Border

The CSS property to change the border of an element to XYZ 48.1770, 34.2129, 7.0821 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, 117, 50) }
```


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

```
.border{ border-color:rgb(255, 117, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 117, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 117, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 117, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 117,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1770, 34.2129, 7.0821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 117, 50) }
```

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

```
.background{ background-color: rgb(255,  
117, 50) }
```

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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