

Converting Colors

XYZ(48.7063, 34.8015, 8.7077)

Have a look what the booklet for
XYZ(48.7063, 34.8015, 8.7077)
contains.

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Color

**XYZ(48.7063, 34.8015,
8.7077)**

Conversions

Conversions Part 1

Format	Color
Hex	FF773E
RGB	255, 119, 62
RGB Percent	100%, 47%, 24%
CMY	0.0000, 0.5333, 0.7569
CMYK	0.00, 0.53, 0.76, 0.00
HSL	18°, 100%, 62%
HSV	18°, 76%, 100%
XYZ	48.7063, 34.8015, 8.7077
YIQ	153.1660, 99.3530, 11.1050

Conversions

Conversions Part 2

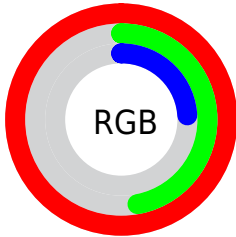
Format	Color
R _Y B	255, 143, 62
Decimal	16742206
CIE Lab	65.59, 48.42, 54.51
CIE LCh	66, 72.910, 48.388
Yxy	34.8015, 0.5282, 0.3774
Android (android.graphics.Color)	4294932286 (0xFFFF773E)
YUV	153.1660, -44.9448, 89.3084
Hunter-Lab	58.9928, 44.1378, 32.5434

Details

The XYZ color **48.7063, 34.8015, 8.7077** 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 **40.2288, 48.6286, 101.8729**, and the grayscale version is **30.5112, 32.1002, 34.9571**.

A 20% lighter version of the original color is **59.3567, 52.7244, 22.6712**, and **23.4779, 14.9903, 1.8857** is the 20% darker color. If you saturate the color by 10%, you get **46.2235, 30.7056, 5.2001**, and if you desaturate by 10%, it is **51.9229, 39.8409, 14.0781**.

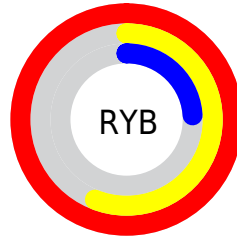
Distribution



Red (100%)

Green (47%)

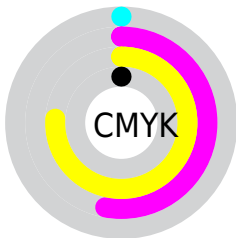
Blue (24%)



Red (100%)

Yellow (56%)

Blue (24%)

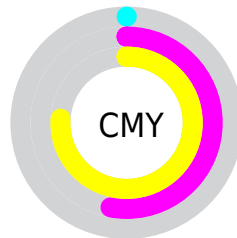


Cyan (0%)

Magenta (53%)

Yellow (76%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7063, 34.8015, 8.7077 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 48.7063, 34.8015, 8.7077 by changing the saturation by 10% instead.


 48.7063, 34.8015,
8.7077


 48.7063, 34.8015,
8.7077


372.1211,
323.6913, 191.3192


 34.6001, 23.5100,
4.4568


 87.4584, 67.1781,
23.9032


 23.5201, 14.9705,
1.8792


 112.8351, 89.0321,
35.6850


 15.1008, 8.7987,
0.4794


 142.6993,
115.1756, 50.8141

 8.9769, 4.6101,
0.0000

 177.4165,
145.9932, 69.7092

 4.7831, 2.0204,
0.0000

 217.3519,
181.8691, 92.7886

 2.1540, 0.6193,
0.0000

 262.8708,

 0.7183, 0.0000,

223.1879, 120.4711

0.0000

314.3388,
270.3338, 153.1751

■ 0.0000, 0.0000,
0.0000

■ 48.7063, 34.8015,
8.7077

■ 48.7063, 34.8015,
8.7077

■ 46.2235, 30.7056,
5.2001

■ 51.9229, 39.8409,
14.0781

■ 44.3989, 27.4817,
3.2811

■ 55.9325, 45.8763,
21.5303

■ 43.7775, 26.3356,
2.7760

■ 60.7903, 52.9629,
31.2545

■ 66.5453, 61.1496,
43.4184

■ 73.2427, 70.4821,
58.1741

80.9243, 81.0036,
75.6610

89.6294, 92.7548,
96.0085

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.



56.6914, 34.8015, 22.1808



48.7063, 34.8015, 8.7077



37.3938, 34.8015, 4.5222

Triad

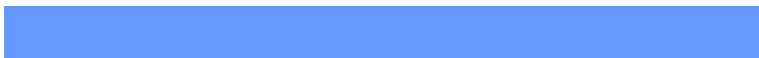
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.7063, 34.8015, 8.7077



16.7419, 34.8015, 27.2280



40.0007, 34.8015, 125.8046

Complementary

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



48.7063, 34.8015, 8.7077



40.2288, 48.6286, 101.8729

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.



29.1073, 34.8015, 129.8582



48.7063, 34.8015, 8.7077



17.1448, 34.8015, 59.6818

Square

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



48.7063, 34.8015, 8.7077



19.9579, 34.8015, 10.6886



21.2108, 34.8015, 101.2150



50.9655, 34.8015, 92.0291

Rectangle

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



48.7063, 34.8015, 8.7077



30.1667, 34.8015, 4.3841



21.2108, 34.8015, 101.2150



36.1703, 34.8015, 131.1711

Sweetspot

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



48.7071, 34.8034, 8.7083



75.2078, 73.1897, 62.5968



53.4247, 28.8902, 57.5983



15.5354, 14.8904, 12.1348



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.



48.7071, 34.8034, 8.7083



45.1775, 28.8883, 4.0029



65.9495, 69.2882, 14.4558



18.4466, 18.8613, 18.8127



22.9869, 13.9850, 1.4878



2.3281, 1.5416, 0.1749

Inverse Universe

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



40.2288, 48.6286, 101.8729



36.0577, 42.7125, 100.9516



24.9686, 18.1081, 96.7861



18.0752, 19.5220, 23.0654



18.0619, 21.0334, 52.5425



1.8536, 2.2380, 5.1475

Previews

White Background



This preview shows how the XYZ color 48.7063, 34.8015, 8.7077 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 48.7063, 34.8015, 8.7077 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 48.7063, 34.8015, 8.7077

Background



This preview shows how black text looks on a background with the XYZ color 48.7063, 34.8015, 8.7077.



This preview shows how white text looks on a background with the XYZ color 48.7063, 34.8015,

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

48.7063, 34.8015, 8.7077

Protanopia

31.9383, 34.9831, 11.5477

Deuteranopia

35.6903, 34.9929, 8.2414



Tritanopia

50.7702, 34.6998, 22.4342

Trichromacy



Original Color

48.7063, 34.8015, 8.7077

Protanomaly

36.4077, 33.6721, 10.3748

Deuteranomaly

39.6071, 34.2573, 8.2662

Tritanomaly

49.7856, 34.6709, 16.1247

Monochromacy



Original Color

48.7063, 34.8015, 8.7077

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.1502, 31.3530, 22.0211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7063, 34.8015, 8.7077 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, 119, 62)` looks like.

```
.text, #text, p{  
    color:rgb(255, 119, 62)  
}
```

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, 119, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 119, 62) }
```

Border

The CSS property to change the border of an element to XYZ 48.7063, 34.8015, 8.7077 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, 119, 62) }
```


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

```
.border{ border-color:rgb(255, 119, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 119, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 119, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 119, 62);  
box-shadow:4px 4px 4px 4px rgb(255, 119,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7063, 34.8015, 8.7077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 119, 62) }
```

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

```
.background{ background-color: rgb(255,  
119, 62) }
```

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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