

Converting Colors

XYZ(48.7234, 35.0576, 8.0291)

Have a look what the booklet for
XYZ(48.7234, 35.0576, 8.0291)
contains.

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Color

**XYZ(48.6950, 34.9883,
8.0578)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7839
RGB	255, 120, 57
RGB Percent	100%, 47%, 22%
CMY	0.0000, 0.5294, 0.7765
CMYK	0.00, 0.53, 0.78, 0.00
HSL	19°, 100%, 61%
HSV	19°, 78%, 100%
XYZ	48.6950, 34.9883, 8.0578
YIQ	153.1830, 100.6830, 9.0270

Conversions

Conversions Part 2

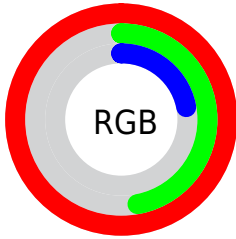
Format	Color
R_{YB}	255, 149, 57
Decimal	16742457
CIE _{Lab}	65.74, 47.76, 56.96
CIE _{LCh}	66, 74.334, 50.022
Yxy	34.9883, 0.5308, 0.3814
Android (android.graphics.Color)	4294932537 (0xFFFF7839)
YUV	153.1830, -47.4182, 89.2935
Hunter-Lab	59.1509, 43.4331, 33.3289

Details

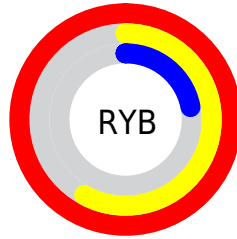
The XYZ color **48.6950, 34.9883, 8.0578** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.5854, 45.7861, 101.4111**, and the grayscale version is **30.5286, 32.1185, 34.9770**.

A 20% lighter version of the original color is **59.2767, 53.0027, 21.2937**, and **23.4930, 15.0907, 1.6746** is the 20% darker color. If you saturate the color by 10%, you get **46.3066, 30.9871, 4.8718**, and if you desaturate by 10%, it is **51.7836, 39.8802, 13.0515**.

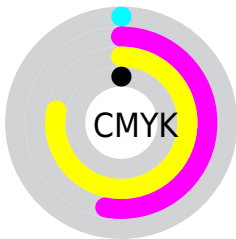
Distribution



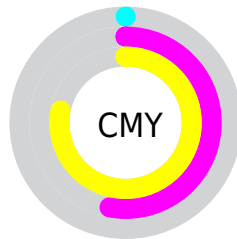
- Red (100%)
- Green (47%)
- Blue (22%)



- Red (100%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (53%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (53%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6950, 34.9883, 8.0578 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 48.6950, 34.9883, 8.0578 by changing the saturation by 10% instead.


 48.6950, 34.9883,
8.0578


 48.6950, 34.9883,
8.0578

372.0773,
324.5167, 186.1362

 34.5911, 23.6539,
4.0437


 87.4417, 67.4676,
22.6197

 23.5131, 15.0771,
1.6493


 112.8153, 89.3813,
34.0046


 15.0956, 8.8735,
0.3257


 142.6762,
115.5902, 48.6834

 8.9733, 4.6588,
0.0000

 177.3897,
146.4787, 67.0747

 4.7807, 2.0485,
0.0000

 217.3212,
182.4312, 89.5972

 2.1526, 0.6354,
0.0000

 262.8361,

 0.7176, 0.0000,

223.8321, 116.6692

0.0000

314.2996,
271.0658, 148.7093

■ 0.0000, 0.0000,
0.0000

■ 48.6950, 34.9883,
8.0578

■ 48.6950, 34.9883,
8.0578

■ 46.3066, 30.9871,
4.8718

■ 51.7836, 39.8802,
13.0515

■ 44.5399, 27.8075,
3.1922

■ 55.6312, 45.7118,
20.0791

■ 44.1930, 27.1664,
2.9144

■ 60.2920, 52.5349,
29.3350

■ 65.8140, 60.3953,
40.9904

■ 72.2413, 69.3359,
55.1992

79.6147, 79.3969,
72.1028

87.9724, 90.6165,
91.8318

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



57.2113, 34.9883, 20.9596



48.6950, 34.9883, 8.0578



37.0373, 34.9883, 4.2269

Triad

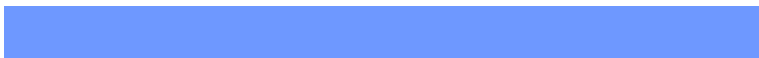
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.6950, 34.9883, 8.0578



16.5341, 34.9883, 28.5769



40.9953, 34.9883, 127.4406

Complementary

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



48.6950, 34.9883, 8.0578



38.5854, 45.7861, 101.4111

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.



29.7400, 34.9883, 133.6489



48.6950, 34.9883, 8.0578



17.1400, 34.9883, 62.6878

Square

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



48.6950, 34.9883, 8.0578



19.5930, 34.9883, 11.0082



21.4820, 34.9883, 105.4766



52.1332, 34.9883, 91.4349

Rectangle

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



48.6950, 34.9883, 8.0578



29.7250, 34.9883, 4.2288



21.4820, 34.9883, 105.4766



37.0546, 34.9883, 133.6301

Sweetspot

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



48.6958, 34.9902, 8.0584



75.5476, 73.8692, 62.7101



52.2507, 28.0054, 52.6954



15.6163, 15.0522, 12.1617



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.



48.6958, 34.9902, 8.0584



45.2901, 29.1874, 3.8125



67.2316, 72.0618, 14.2370



18.4811, 18.9304, 18.8242



23.2100, 14.4313, 1.5622



2.3534, 1.5921, 0.1833

Inverse Universe

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



38.5854, 45.7861, 101.4111



34.5241, 39.8021, 100.4707



23.6782, 15.9716, 96.4420



18.0388, 19.4493, 23.0533



17.4662, 19.8420, 52.3439



1.7991, 2.1290, 5.1294

Previews

White Background



This preview shows how the XYZ color 48.6950, 34.9883, 8.0578 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 48.6950, 34.9883, 8.0578 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 48.6950, 34.9883, 8.0578

Background



This preview shows how black text looks on a background with the XYZ color 48.6950, 34.9883, 8.0578.



This preview shows how white text looks on a background with the XYZ color 48.6950, 34.9883,

8.0578.

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

48.6950, 34.9883, 8.0578

Protanopia

31.9743, 35.0239, 10.5439

Deuteranopia

35.8287, 35.0792, 7.5719



Tritanopia

50.8836, 34.9266, 22.4720

Trichromacy



Original Color

48.6950, 34.9883, 8.0578

Protanomaly

36.5044, 33.7428, 9.4395

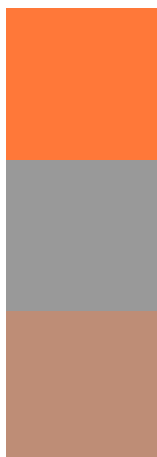
Deuteranomaly

39.7944, 34.3673, 7.6681

Tritanomaly

49.8059, 34.8644, 15.6597

Monochromacy



Original Color

48.6950, 34.9883, 8.0578

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

34.0301, 31.3049, 21.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6950, 34.9883, 8.0578 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 57) }
```

Border

The CSS property to change the border of an element to XYZ 48.6950, 34.9883, 8.0578 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, 57) }
```


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

```
.border{ border-color:rgb(255, 120, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6950, 34.9883, 8.0578 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, 57) }
```

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

```
.background{ background-color: rgb(255,  
120, 57) }
```

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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