

Converting Colors

XYZ(48.5060, 43.6669, 5.8720)

Have a look what the booklet for
XYZ(48.5060, 43.6669, 5.8720)
contains.

XYZ(48.5060, 43.6669, 5.8720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.5060, 43.6669,
5.8720)**

Conversions

Conversions Part 1

Format	Color
Hex	F0A000
RGB	240, 160, 0
RGB Percent	94%, 63%, 0%
CMY	0.0588, 0.3725, 0.9999
CMYK	0.00, 0.33, 1.00, 0.06
HSL	40°, 100%, 47%
HSV	40°, 100%, 94%
XYZ	48.5060, 43.6669, 5.8720
YIQ	165.6800, 99.0400, -32.8000

Conversions

Conversions Part 2

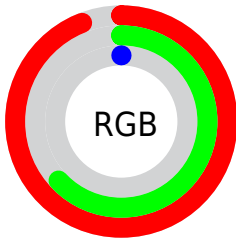
Format	Color
R _Y B	120, 240, 0
Decimal	15769600
CIE Lab	72.01, 20.23, 76.17
CIE LCh	72, 78.812, 75.124
Yxy	43.6669, 0.4947, 0.4454
Android (android.graphics.Color)	4293959680 (0xFFFF0A000)
YUV	165.6800, -81.6802, 65.1786
Hunter-Lab	66.0809, 15.3844, 40.9881

Details

The XYZ color **48.5060, 43.6669, 5.8720** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **18.5974, 12.0296, 83.7792**, and the grayscale version is **36.4412, 38.3390, 41.7512**.

A 20% lighter version of the original color is **66.9156, 70.4109, 17.2716**, and **23.8287, 20.4023, 2.6821** is the 20% darker color. If you saturate the color by 10%, you get **48.5060, 43.6674, 5.8721**, and if you desaturate by 10%, it is **50.1038, 46.5988, 7.2187**.

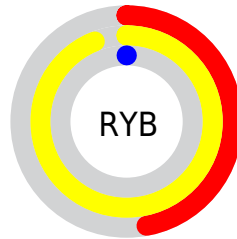
Distribution



Red (94%)

Green (63%)

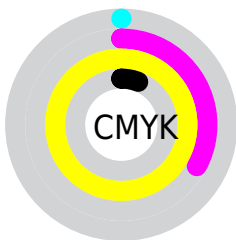
Blue (0%)



Red (47%)

Yellow (94%)

Blue (0%)

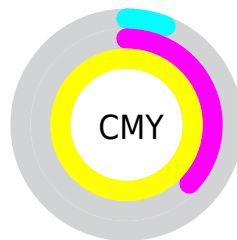


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (37%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5060, 43.6669, 5.8720 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 48.5060, 43.6669, 5.8720 by changing the saturation by 10% instead.


 48.5060, 43.6669,
5.8720

 48.5060, 43.6669,
5.8720


371.3436,
361.3473, 167.1895

 34.4407, 30.4087,
2.6999


 87.1625, 80.7163,
18.1377

 23.3968, 20.1490,
0.9434


 112.4843,
105.2763, 28.0683


 15.0091, 12.5034,
0.0000


 142.2891,
134.3723, 41.0889

 8.9121, 7.0875,
0.0000

 176.9420,
168.3888, 57.6179

 4.7406, 3.5169,
0.0000

 216.8086,
207.7102, 78.0740

 2.1290, 1.4072,
0.0000

 262.2542,

 0.7049, 0.2220,

252.7208, 102.8756

0.0000

313.6441,
303.8050, 132.4412

0.0000, 0.0000,
0.0000

48.5060, 43.6669,
5.8720

48.5060, 43.6669,
5.8720

48.5060, 43.6674,
5.8721

50.1038, 46.5988,
7.2187

51.9953, 49.7918,
9.6682

54.2468, 53.2767,
13.5576

56.8978, 57.0717,
19.0869

59.9814, 61.1926,
26.4238

■ 63.5271, 65.6534,
35.7153

■ 67.5612, 70.4670,
47.0932

■ 72.1077, 75.6453,
60.6777

■ 77.1892, 81.1993,
76.5798

Harmonies

Analogous

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



62.5633, 43.6669, 11.9980



48.5060, 43.6669, 5.8720



35.1138, 43.6669, 5.8926

Triad

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



48.5060, 43.6669, 5.8720



21.2047, 43.6669, 69.6141



62.6675, 43.6669, 121.3186

Complementary

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



48.5060, 43.6669, 5.8720



18.5974, 12.0296, 83.7792

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.



48.6261, 43.6669, 160.9245



48.5060, 43.6669, 5.8720



25.7963, 43.6669, 121.7426

Square

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



48.5060, 43.6669, 5.8720



21.1862, 43.6669, 30.9490



35.2106, 43.6669, 161.1117



71.8630, 43.6669, 69.2153

Rectangle

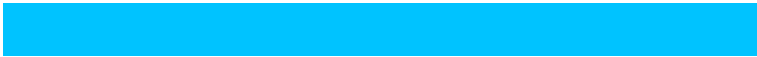
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.5060, 43.6669, 5.8720



28.3285, 43.6669, 9.0468



35.2106, 43.6669, 161.1117



58.2381, 43.6669, 137.5323

Sweetspot

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



48.5070, 43.6691, 5.8728



77.4843, 80.8107, 53.8973



37.3834, 19.1048, 9.3085



16.1512, 16.7863, 10.2919



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.



48.5070, 43.6691, 5.8728



55.6152, 50.0105, 6.7217



54.9798, 74.5993, 11.5018



16.6532, 17.5196, 16.6536



26.6805, 24.1590, 3.2569



2.3106, 2.1918, 0.3013

Inverse Universe

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



18.5974, 12.0296, 83.7792



21.2983, 13.7166, 96.1328



16.6037, 6.7429, 82.8638



15.3277, 16.0896, 20.0193



10.2892, 6.8026, 45.8986



0.9441, 0.7421, 3.8477

Previews

White Background



This preview shows how the XYZ color 48.5060, 43.6669, 5.8720 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 48.5060, 43.6669, 5.8720 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 48.5060, 43.6669, 5.8720

Background



This preview shows how black text looks on a background with the XYZ color 48.5060, 43.6669, 5.8720.



This preview shows how white text looks on a background with the XYZ color 48.5060, 43.6669,

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

48.5060, 43.6669, 5.8720

Protanopia

39.6351, 43.7611, 6.8479

Deuteranopia

44.7431, 43.8526, 6.1062



Tritanopia

55.4504, 43.8071, 38.7908

Trichromacy



Original Color

48.5060, 43.6669, 5.8720

Protanomaly

42.6420, 43.5948, 6.4543

Deuteranomaly

46.0883, 43.7333, 6.0122

Tritanomaly

51.0977, 42.9749, 18.1722

Monochromacy



Original Color

48.5060, 43.6669, 5.8720

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.8693, 38.9290, 19.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5060, 43.6669, 5.8720 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(240, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 160, 0)  
}
```

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(240, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 160, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.5060, 43.6669, 5.8720 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(240, 160, 0) }
```


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

```
.border{ border-color:rgb(240, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 160,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5060, 43.6669, 5.8720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 160, 0) }
```

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

```
.background{ background-color: rgb(240,  
160, 0) }
```

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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