

Converting Colors

XYZ(48.4036, 40.9074, 5.3448)

Have a look what the booklet for
XYZ(48.4036, 40.9074, 5.3448)
contains.

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Color

**XYZ(48.4036, 40.9074,
5.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	F59500
RGB	245, 149, 0
RGB Percent	96%, 58%, 0%
CMY	0.0392, 0.4157, 0.9999
CMYK	0.00, 0.39, 1.00, 0.04
HSL	36°, 100%, 48%
HSV	36°, 100%, 96%
XYZ	48.4036, 40.9074, 5.3448
YIQ	160.7180, 105.0450, -25.9870

Conversions

Conversions Part 2

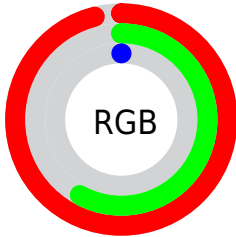
Format	Color
R_{YB}	158, 245, 0
Decimal	16094464
CIE _{Lab}	70.11, 28.12, 75.24
CIE _{LCh}	70, 80.320, 69.509
Yxy	40.9074, 0.5114, 0.4322
Android (android.graphics.Color)	4294284544 (0xFFFF59500)
YUV	160.7180, -79.2340, 73.9153
Hunter-Lab	63.9589, 23.1594, 39.8166

Details

The XYZ color **48.4036, 40.9074, 5.3448** 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 **20.6648, 14.9593, 88.1836**, and the grayscale version is **34.0692, 35.8435, 39.0335**.

A 20% lighter version of the original color is **63.9004, 64.4937, 15.9181**, and **23.6591, 18.6804, 2.3587** is the 20% darker color. If you saturate the color by 10%, you get **48.4036, 40.9078, 5.3448**, and if you desaturate by 10%, it is **50.1568, 44.1417, 6.7691**.

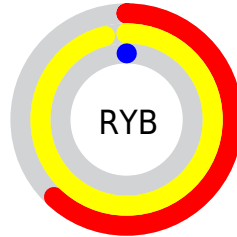
Distribution



Red (96%)

Green (58%)

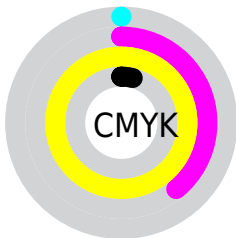
Blue (0%)



Red (62%)

Yellow (96%)

Blue (0%)

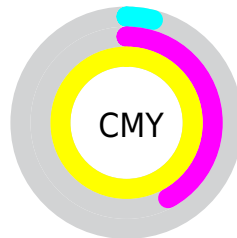


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (4%)



Cyan (4%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4036, 40.9074, 5.3448 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 48.4036, 40.9074, 5.3448 by changing the saturation by 10% instead.


 48.4036, 40.9074,
5.3448


 48.4036, 40.9074,
5.3448


370.9457,
349.9334, 162.1699

 34.3592, 28.2467,
2.3887


 87.0111, 76.5433,
17.0086

 23.3339, 18.5117,
0.7803


 112.3049,
100.2873, 26.5533


 14.9623, 11.3180,
0.0000


 142.0792,
128.4946, 39.1314

 8.8791, 6.2812,
0.0000

 176.6993,
161.5495, 55.1612

 4.7189, 3.0168,
0.0000

 216.5307,
199.8365, 75.0615


 2.1163, 1.1405,
0.0000

 261.9387,


 0.6981, 0.0123,


243.7398, 99.2507


0.0000


 313.2885,
293.6440, 128.1473


 0.0000, 0.0000,
0.0000


 48.4036, 40.9074,
5.3448


 48.4036, 40.9074,
5.3448


 48.4036, 40.9078,
5.3448

 50.1568, 44.1417,
6.7691

 52.2513, 47.7158,
9.3634

 54.7574, 51.6640,
13.4791

 57.7177, 56.0076,
19.3271

 61.1682, 60.7654,
27.0846

■ 65.1407, 65.9541,
36.9064

■ 69.6640, 71.5892,
48.9315

■ 74.7645, 77.6851,
63.2866

■ 80.4665, 84.2555,
80.0888

Harmonies

Analogous

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



61.7880, 40.9074, 12.5638



48.4036, 40.9074, 5.3448



34.8587, 40.9074, 4.5201

Triad

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



48.4036, 40.9074, 5.3448



18.9218, 40.9074, 57.5824



57.2520, 40.9074, 126.8325

Complementary

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



48.4036, 40.9074, 5.3448



20.6648, 14.9593, 88.1836

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.



43.2020, 40.9074, 160.6438



48.4036, 40.9074, 5.3448



22.4773, 40.9074, 108.1763

Square

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



48.4036, 40.9074, 5.3448



19.7060, 40.9074, 23.7253



30.6976, 40.9074, 152.3688



67.6422, 40.9074, 74.9421

Rectangle

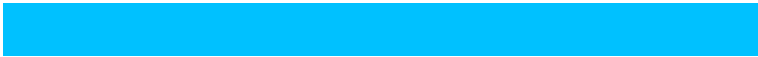
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4036, 40.9074, 5.3448



27.7265, 40.9074, 6.6006



30.6976, 40.9074, 152.3688



52.6864, 40.9074, 141.7217

Sweetspot

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



48.4045, 40.9095, 5.3455



76.2582, 78.3586, 53.4887



39.8609, 20.2946, 13.3736



15.8586, 16.2012, 10.1944



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.



48.4045, 40.9095, 5.3455



52.9754, 44.7308, 5.8418



62.3190, 80.5980, 12.2728



17.3379, 18.1599, 17.3890



26.2149, 22.3154, 2.9256



2.4039, 2.1610, 0.2904

Inverse Universe

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



20.6648, 14.9593, 88.1836



22.5991, 16.3182, 96.5664



16.8704, 6.7933, 86.8074



16.1137, 16.9918, 20.9730



11.2574, 8.3086, 47.5484



1.0864, 0.9242, 4.2114

Previews

White Background



This preview shows how the XYZ color 48.4036, 40.9074, 5.3448 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 48.4036, 40.9074, 5.3448 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 48.4036, 40.9074, 5.3448

Background



This preview shows how black text looks on a background with the XYZ color 48.4036, 40.9074, 5.3448.



This preview shows how white text looks on a background with the XYZ color 48.4036, 40.9074,

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

48.4036, 40.9074, 5.3448

Protanopia

37.1098, 41.0181, 6.5336

Deuteranopia

41.7125, 40.9461, 5.7049



Tritanopia

54.4411, 41.1444, 33.5061

Trichromacy



Original Color

48.4036, 40.9074, 5.3448

Protanomaly

40.7764, 40.7212, 6.0274

Deuteranomaly

43.9054, 40.7846, 5.5582

Tritanomaly

50.9549, 40.6109, 15.9795

Monochromacy



Original Color

48.4036, 40.9074, 5.3448

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

36.1935, 36.2797, 17.6655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4036, 40.9074, 5.3448 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(245, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 149, 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(245, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 149, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.4036, 40.9074, 5.3448 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(245, 149, 0) }
```


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

```
.border{ border-color:rgb(245, 149, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 149, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 149,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4036, 40.9074, 5.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 149, 0) }
```

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

```
.background{ background-color: rgb(245,  
149, 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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