

Converting Colors

XYZ(49.4036, 40.2381, 11.8852)

Have a look what the booklet for
XYZ(49.4036, 40.2381, 11.8852)
contains.

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Color

**XYZ(49.4014, 40.3516,
11.8415)**

Conversions

Conversions Part 1

Format	Color
Hex	F6914B
RGB	246, 145, 75
RGB Percent	96%, 57%, 29%
CMY	0.0353, 0.4313, 0.7059
CMYK	0.00, 0.41, 0.70, 0.04
HSL	25°, 90%, 63%
HSV	25°, 70%, 96%
XYZ	49.4014, 40.3516, 11.8415
YIQ	167.2190, 82.6660, -0.3580

Conversions

Conversions Part 2

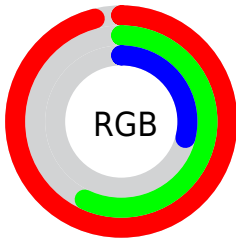
Format	Color
R_{YB}	246, 194, 75
Decimal	16159051
CIE _{Lab}	69.72, 32.53, 52.33
CIE _{LCh}	70, 61.614, 58.131
Yxy	40.3516, 0.4863, 0.3972
Android (android.graphics.Color)	4294349131 (0xFFFF6914B)
YUV	167.2190, -45.4640, 69.0909
Hunter-Lab	63.5229, 27.6533, 33.4136

Details

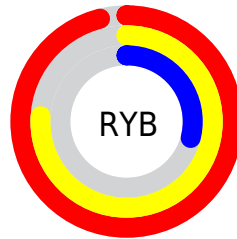
The XYZ color **49.4014, 40.3516, 11.8415** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **35.0604, 39.1981, 92.9063**, and the grayscale version is **37.0250, 38.9532, 42.4201**.

A 20% lighter version of the original color is **65.7250, 64.1009, 28.9873**, and **23.8464, 18.0850, 3.0981** is the 20% darker color. If you saturate the color by 10%, you get **46.6366, 35.9193, 7.5384**, and if you desaturate by 10%, it is **52.7773, 45.4861, 17.9539**.

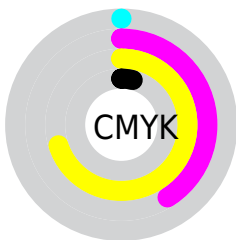
Distribution



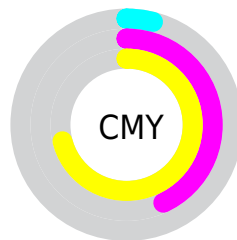
- Red (96%)
- Green (57%)
- Blue (29%)



- Red (96%)
- Yellow (76%)
- Blue (29%)



- Cyan (0%)
- Magenta (41%)
- Yellow (70%)
- Black (4%)





- Cyan (4%)
- Magenta (43%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4014, 40.3516, 11.8415 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 49.4014, 40.3516, 11.8415 by changing the saturation by 10% instead.


 49.4014, 40.3516,
11.8415


 49.4014, 40.3516,
11.8415


374.8112,
347.6033, 214.2937


 35.1538, 27.8128,
6.5146


 88.4845, 75.6986,
29.8662

 23.9485, 18.1846,
3.0866


 114.0507, 99.2756,
43.4010


 15.4199, 11.0826,
1.1390


 144.1205,
127.3008, 60.5090

 9.2029, 6.1224,
0.0000

 179.0593,
160.1586, 81.6085

 4.9319, 2.9197,
0.0000

 219.2324,
198.2333, 107.1182

 2.2417, 1.0899,
0.0000

265.0052,

 0.7646, 0.0000,

241.9094, 137.4566

0.0000

316.7430,
291.5713, 173.0423

■ 0.0000, 0.0000,
0.0000

■ 49.4014, 40.3516,
11.8415

■ 49.4014, 40.3516,
11.8415

■ 46.6366, 35.9193,
7.5384

■ 52.7773, 45.4861,
17.9539

■ 44.4296, 32.1455,
4.8287

■ 56.8052, 51.3502,
26.0534


■ 42.7070, 28.9846,
3.3782


■ 61.5251, 57.9770,
36.2988


■ 42.6314, 28.8439,
3.3205

■ 66.9725, 65.3952,
48.8320

■ 73.1801, 73.6322,
63.7825

 80.1788, 82.7138,
81.2702

 87.9973, 92.6644,
101.4069

 91.8158, 98.3327,
108.7486

Harmonies

Analogous

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



57.8839, 40.3516, 22.7862



49.4014, 40.3516, 11.8415



38.9821, 40.3516, 8.7206

Triad

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



49.4014, 40.3516, 11.8415



22.1947, 40.3516, 42.1684



48.1296, 40.3516, 112.3946

Complementary

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



49.4014, 40.3516, 11.8415



35.0604, 39.1981, 92.9063

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.



37.7307, 40.3516, 124.9203



49.4014, 40.3516, 11.8415



23.7988, 40.3516, 75.2714

Square

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



49.4014, 40.3516, 11.8415



24.2569, 40.3516, 20.8410



29.0884, 40.3516, 109.0762



57.0645, 40.3516, 79.8030

Rectangle

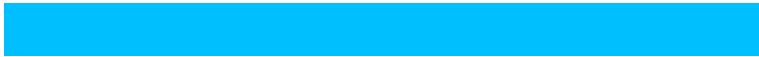
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.4014, 40.3516, 11.8415



32.6865, 40.3516, 9.6718



29.0884, 40.3516, 109.0762



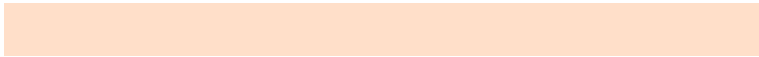
44.6392, 40.3516, 119.5808

Sweetspot

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



49.4023, 40.3537, 11.8422



78.3231, 78.4732, 66.5551



48.5178, 27.8234, 44.7227



16.3551, 16.2561, 13.2518



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.



49.4023, 40.3537, 11.8422



49.6649, 37.4018, 6.9209



67.2673, 76.0837, 17.7972



17.0562, 17.5966, 17.2951



22.8850, 15.6556, 1.8157



2.1098, 1.5729, 0.1924

Inverse Universe

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



35.0604, 39.1981, 92.9063



33.1287, 35.8766, 99.7865



23.3722, 15.8216, 89.0102



16.3947, 17.5538, 21.0667



14.4485, 14.6908, 48.6121



1.3708, 1.4931, 4.3062

Previews

White Background



This preview shows how the XYZ color 49.4014, 40.3516, 11.8415 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 49.4014, 40.3516, 11.8415 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 49.4014, 40.3516, 11.8415

Background



This preview shows how black text looks on a background with the XYZ color 49.4014, 40.3516, 11.8415.



This preview shows how white text looks on a background with the XYZ color 49.4014, 40.3516,

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

49.4014, 40.3516, 11.8415

Protanopia

37.1105, 40.5692, 14.0583

Deuteranopia

41.2090, 40.2926, 11.5665



Tritanopia

53.6365, 40.3219, 32.5597

Trichromacy



Original Color

49.4014, 40.3516, 11.8415

Protanomaly

40.9466, 40.1215, 13.1755

Deuteranomaly

43.7986, 40.0921, 11.5610

Tritanomaly

51.8962, 40.2764, 23.1280

Monochromacy



Original Color

49.4014, 40.3516, 11.8415

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

39.4662, 38.2533, 27.8578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4014, 40.3516, 11.8415 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(246, 145, 75)` looks like.

```
.text, #text, p{  
    color:rgb(246, 145, 75)  
}
```

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(246, 145, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 145, 75) }
```

Border

The CSS property to change the border of an element to XYZ 49.4014, 40.3516, 11.8415 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(246, 145, 75) }
```


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

```
.border{ border-color:rgb(246, 145, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 145, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 145, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 145, 75);  
box-shadow:4px 4px 4px 4px rgb(246, 145,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4014, 40.3516, 11.8415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 145, 75) }
```

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

```
.background{ background-color: rgb(246,  
145, 75) }
```

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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