

Converting Colors

XYZ(49.1434, 37.0669, 4.5645)

Have a look what the booklet for
XYZ(49.1434, 37.0669, 4.5645)
contains.

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Color

**XYZ(49.0903, 36.9605,
4.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8100
RGB	255, 129, 0
RGB Percent	100%, 51%, 0%
CMY	0.0000, 0.4941, 1.0000
CMYK	0.00, 0.49, 1.00, 0.00
HSL	30°, 100%, 50%
HSV	30°, 100%, 100%
XYZ	49.0903, 36.9605, 4.5468
YIQ	151.9680, 116.5050, -13.4070

Conversions

Conversions Part 2

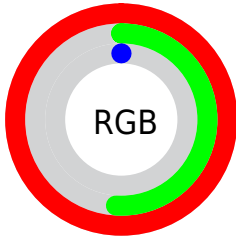
Format	Color
R_{YB}	249, 255, 0
Decimal	16744704
CIE _{Lab}	67.25, 42.34, 74.14
CIE _{LCh}	67, 85.380, 60.271
Yxy	36.9605, 0.5418, 0.4080
Android (android.graphics.Color)	4294934784 (0xFFFF8100)
YUV	151.9680, -74.9202, 90.3591
Hunter-Lab	60.7951, 37.7420, 38.1224

Details

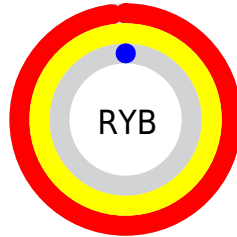
The XYZ color **49.0903, 36.9605, 4.5468** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **25.5112, 22.1425, 97.5364**, and the grayscale version is **30.1110, 31.6791, 34.4986**.

A 20% lighter version of the original color is **59.3761, 55.6080, 13.9073**, and **24.1397, 16.3841, 1.8901** is the 20% darker color. If you saturate the color by 10%, you get **49.0903, 36.9610, 4.5468**, and if you desaturate by 10%, it is **51.0355, 40.5618, 6.0882**.

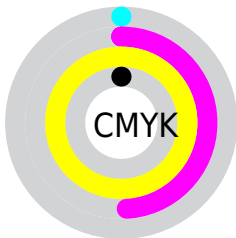
Distribution



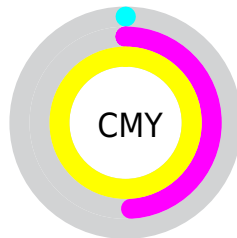
- Red (100%)
- Green (51%)
- Blue (0%)



- Red (98%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0903, 36.9605, 4.5468 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 49.0903, 36.9605, 4.5468 by changing the saturation by 10% instead.


 49.0903, 36.9605,
4.5468


 49.0903, 36.9605,
4.5468


373.6088,
333.1395, 154.1219

 34.9059, 25.1769,
1.9299


 88.0255, 70.5120,
15.2524


 23.7566, 16.2089,
0.5116


 113.5070, 93.0488,
24.1782


 15.2769, 9.6721,
0.0000


 143.4850,
119.9387, 36.0439

 9.1016, 5.1821,
0.0000

 178.3247,
151.5661, 51.2682

 4.8651, 2.3545,
0.0000

 218.3916,
188.3155, 70.2697

 2.2023, 0.8023,
0.0000

 264.0510,


 0.7439, 0.0000,


230.5713, 93.4667


0.0000


 315.6683,
278.7178, 121.2779


 0.0000, 0.0000,
0.0000


 49.0903, 36.9605,
4.5468


 49.0903, 36.9605,
4.5468


 49.0903, 36.9610,
4.5468

 51.0355, 40.5618,
6.0882

 53.4274, 44.6787,
8.9412

 56.3455, 49.3556,
13.4879

 59.8403, 54.6229,
19.9627

 63.9550, 60.5077,
28.5622

68.7277, 67.0346,
39.4585

74.1930, 74.2267,
52.8059

80.3829, 82.1055,
68.7450

87.3270, 90.6914,
87.4059

Harmonies

Analogous

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



61.5429, 36.9605, 13.8115



49.0903, 36.9605, 4.5468



35.0112, 36.9605, 2.6763

Triad

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



49.0903, 36.9605, 4.5468



15.5468, 36.9605, 40.5848



49.3479, 36.9605, 139.5920

Complementary

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



49.0903, 36.9605, 4.5468



25.5112, 22.1425, 97.5364

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.



35.2487, 36.9605, 163.2528



49.0903, 36.9605, 4.5468



17.6181, 36.9605, 88.3882

Square

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



49.0903, 36.9605, 4.5468



17.5432, 36.9605, 14.1023



24.1040, 36.9605, 140.3728



61.7156, 36.9605, 87.3966

Rectangle

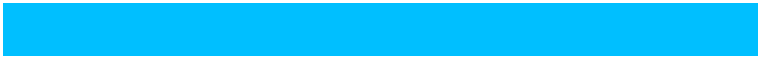
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.0903, 36.9605, 4.5468



27.1381, 36.9605, 3.4747



24.1040, 36.9605, 140.3728



44.5541, 36.9605, 152.1998

Sweetspot

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



49.0911, 36.9625, 4.5474



74.1908, 74.2238, 52.7995



45.1036, 22.8056, 22.2765



15.3682, 15.2203, 10.0309



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.



49.0911, 36.9625, 4.5474



49.0906, 36.9612, 4.5469



76.9995, 92.7794, 13.8502



18.7689, 19.5060, 18.9201



25.8006, 19.6124, 2.4257



2.6214, 2.1282, 0.2726

Inverse Universe

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



25.5112, 22.1425, 97.5364



25.5105, 22.1410, 97.5368



18.0501, 7.2203, 95.0494



17.7443, 18.8602, 22.9551



13.4786, 11.8669, 51.0147



1.4214, 1.3736, 5.0035

Previews

White Background



This preview shows how the XYZ color 49.0903, 36.9605, 4.5468 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 49.0903, 36.9605, 4.5468 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 49.0903, 36.9605, 4.5468

Background



This preview shows how black text looks on a background with the XYZ color 49.0903, 36.9605, 4.5468.



This preview shows how white text looks on a background with the XYZ color 49.0903, 36.9605,

4.5468.

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

49.0903, 36.9605, 4.5468

Protanopia

33.6075, 37.2825, 6.1840

Deuteranopia

37.6206, 37.0423, 5.1671



Tritanopia

52.3522, 37.0376, 25.5088

Trichromacy



Original Color

49.0903, 36.9605, 4.5468

Protanomaly

37.8858, 36.1898, 5.4040

Deuteranomaly

41.0194, 36.4051, 4.8649

Tritanomaly

50.1349, 36.5518, 12.5964

Monochromacy



Original Color

49.0903, 36.9605, 4.5468

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.1172, 31.6284, 15.6687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0903, 36.9605, 4.5468 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, 129, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 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(255, 129, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 0) }
```

Border

The CSS property to change the border of an element to XYZ 49.0903, 36.9605, 4.5468 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, 129, 0) }
```


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

```
.border{ border-color:rgb(255, 129, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0903, 36.9605, 4.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 0) }
```

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

```
.background{ background-color: rgb(255,  
129, 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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