

Converting Colors

XYZ(96.2265, 60.6729, 9.4101)

Have a look what the booklet for
XYZ(96.2265, 60.6729, 9.4101)
contains.

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Color

**XYZ(49.2344, 36.3951,
7.2263)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E30
RGB	255, 126, 48
RGB Percent	100%, 49%, 19%
CMY	0.0000, 0.5059, 0.8118
CMYK	0.00, 0.51, 0.81, 0.00
HSL	23°, 100%, 59%
HSV	23°, 81%, 100%
XYZ	49.2344, 36.3951, 7.2263
YIQ	155.6790, 101.9220, 3.0900

Conversions

Conversions Part 2

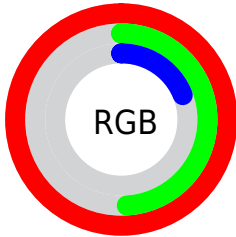
Format	Color
R _Y B	255, 173, 48
Decimal	16743984
CIE Lab	66.82, 44.57, 61.82
CIE LCh	67, 76.212, 54.209
Yxy	36.3951, 0.5302, 0.3920
Android (android.graphics.Color)	4294934064 (0xFFFF7E30)
YUV	155.6790, -53.0857, 87.1045
Hunter-Lab	60.3284, 40.1005, 35.1279

Details

The XYZ color **49.2344, 36.3951, 7.2263** 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 **34.9898, 39.2901, 100.3468**, and the grayscale version is **31.6553, 33.3038, 36.2678**.

A 20% lighter version of the original color is **60.0641, 55.2278, 19.5509**, and **23.8684, 15.8415, 1.7997** is the 20% darker color. If you saturate the color by 10%, you get **46.9781, 32.4971, 4.5813**, and if you desaturate by 10%, it is **52.1170, 41.0634, 11.5702**.

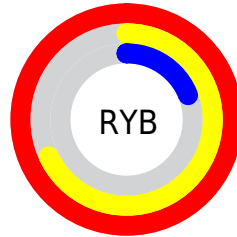
Distribution



Red (100%)

Green (49%)

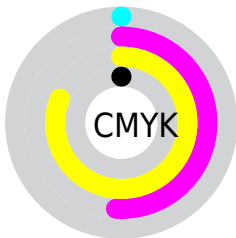
Blue (19%)



Red (100%)

Yellow (68%)

Blue (19%)

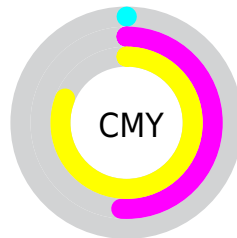


Cyan (0%)

Magenta (51%)

Yellow (81%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2344, 36.3951, 7.2263 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 49.2344, 36.3951, 7.2263 by changing the saturation by 10% instead.


 49.2344, 36.3951,
7.2263


 49.2344, 36.3951,
7.2263


374.1660,
330.6842, 179.2327


 35.0208, 24.7395,
3.5234


 88.2381, 69.6415,
20.9476

 23.8455, 15.8831,
1.3677


 113.7589, 92.0010,
31.8032


 15.3431, 9.4415,
0.1164


 143.7795,
118.6973, 45.8800

 9.1484, 5.0302,
0.0000

 178.6651,
150.1148, 63.5967

 4.8960, 2.2650,
0.0000

 218.7813,
186.6378, 85.3718

 2.2205, 0.7551,
0.0000

 264.4932,

 0.7535, 0.0000,

228.6508, 111.6238

0.0000

316.1664,
276.5381, 142.7712

■ 0.0000, 0.0000,
0.0000

■ 49.2344, 36.3951,
7.2263

■ 49.2344, 36.3951,
7.2263

■ 46.9781, 32.4971,
4.5813

■ 52.1170, 41.0634,
11.5702

■ 45.4313, 29.6430,
3.3272

■ 55.6829, 46.5426,
17.8537

■ 59.9839, 52.8762,
26.2804

■ 65.0654, 60.1028,
37.0267

■ 70.9686, 68.2579,
50.2511

77.7317, 77.3753,
66.0976

85.3902, 87.4865,
84.6992

93.9775, 98.6218,
106.1798

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



58.9889, 36.3951, 18.8881



49.2344, 36.3951, 7.2263



36.8763, 36.3951, 4.0883

Triad

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



49.2344, 36.3951, 7.2263



16.9006, 36.3951, 33.5647



44.4961, 36.3951, 130.2394

Complementary

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



49.2344, 36.3951, 7.2263



34.9898, 39.2901, 100.3468

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.



32.4049, 36.3951, 142.2077



49.2344, 36.3951, 7.2263



18.0649, 36.3951, 71.7572

Square

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



49.2344, 36.3951, 7.2263



19.5536, 36.3951, 12.8979



23.1859, 36.3951, 116.5941



55.8555, 36.3951, 89.5233

Rectangle

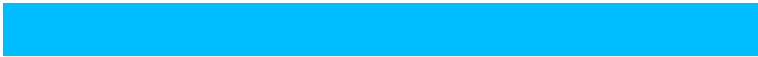
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2344, 36.3951, 7.2263



29.4342, 36.3951, 4.4545



23.1859, 36.3951, 116.5941



40.3207, 36.3951, 138.4502

Sweetspot

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



49.2352, 36.3971, 7.2269



75.7327, 74.7011, 61.3485



50.4437, 26.6327, 45.1831



15.6916, 15.2909, 11.9148



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.



49.2352, 36.3971, 7.2269



45.9223, 30.5575, 3.6975



69.3519, 76.6304, 13.9325



18.5702, 19.1087, 18.8539



23.8708, 15.7528, 1.7825



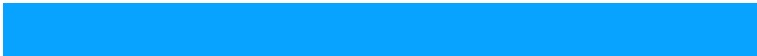
2.4253, 1.7359, 0.2072

Inverse Universe

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



34.9898, 39.2901, 100.3468



31.0287, 33.0352, 99.3488



21.8260, 12.9626, 95.9589



17.9460, 19.2637, 23.0224



16.0496, 17.0088, 51.8717



1.6679, 1.8665, 5.0856

Previews

White Background



This preview shows how the XYZ color 49.2344, 36.3951, 7.2263 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 49.2344, 36.3951, 7.2263 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 49.2344, 36.3951, 7.2263

Background



This preview shows how black text looks on a background with the XYZ color 49.2344, 36.3951, 7.2263.



This preview shows how white text looks on a background with the XYZ color 49.2344, 36.3951,

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

49.2344, 36.3951, 7.2263

Protanopia

33.1523, 36.4450, 9.2903

Deuteranopia

37.2321, 36.5554, 6.8438



Tritanopia

51.9737, 36.4933, 24.7267

Trichromacy



Original Color

49.2344, 36.3951, 7.2263

Protanomaly

37.8667, 35.6343, 8.3724

Deuteranomaly

40.8049, 35.7946, 6.8562

Tritanomaly

50.5751, 36.3268, 16.1505

Monochromacy



Original Color

49.2344, 36.3951, 7.2263

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

35.0745, 32.7416, 21.3008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2344, 36.3951, 7.2263 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, 126, 48)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 48)  
}
```

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, 126, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 48) }
```

Border

The CSS property to change the border of an element to XYZ 49.2344, 36.3951, 7.2263 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, 126, 48) }
```


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

```
.border{ border-color:rgb(255, 126, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 48);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2344, 36.3951, 7.2263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 48) }
```

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

```
.background{ background-color: rgb(255,  
126, 48) }
```

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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