

Converting Colors

XYZ(46.9407, 33.0399, 1.8665)

Have a look what the booklet for
XYZ(46.9407, 33.0399, 1.8665)
contains.

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Color

**XYZ(47.1451, 33.0703,
3.8984)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7100
RGB	255, 113, 0
RGB Percent	100%, 44%, 0%
CMY	0.0000, 0.5568, 1.0000
CMYK	0.00, 0.56, 1.00, 0.00
HSL	27°, 100%, 50%
HSV	27°, 100%, 100%
XYZ	47.1451, 33.0703, 3.8984
YIQ	142.5760, 120.9050, -5.0390

Conversions

Conversions Part 2

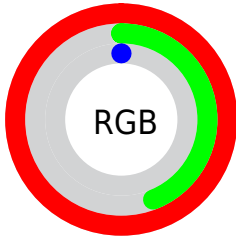
Format	Color
R _Y B	255, 203, 0
Decimal	16740608
CIE Lab	64.22, 50.03, 72.39
CIE LCh	64, 87.993, 55.352
Yxy	33.0703, 0.5605, 0.3932
Android (android.graphics.Color)	4294930688 (0xFFFF7100)
YUV	142.5760, -70.2900, 98.5958
Hunter-Lab	57.5068, 45.7007, 36.2355

Details

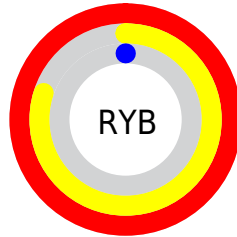
The XYZ color **47.1451, 33.0703, 3.8984** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.7226, 26.5653, 98.2733**, and the grayscale version is **26.1784, 27.5417, 29.9930**.

A 20% lighter version of the original color is **56.3481, 49.7075, 12.4190**, and **22.7992, 14.0751, 1.5151** is the 20% darker color. If you saturate the color by 10%, you get **47.1453, 33.0711, 3.8985**, and if you desaturate by 10%, it is **49.0370, 36.5649, 5.4219**.

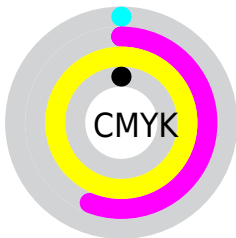
Distribution



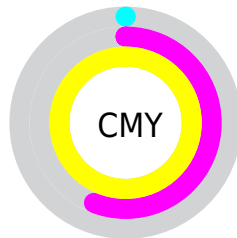
- Red (100%)
- Green (44%)
- Blue (0%)



- Red (100%)
- Yellow (80%)
- Blue (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1451, 33.0703, 3.8984 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 47.1451, 33.0703, 3.8984 by changing the saturation by 10% instead.


 47.1451, 33.0703,
3.8984


 47.1451, 33.0703,
3.8984

366.0327,
315.9664, 147.0893

 33.3588, 22.1803,
1.5698


 85.1476, 64.4853,
13.7748


 22.5620, 13.9894,
0.2691

 110.0945, 85.7790,
22.1596


 14.3893, 8.1133,
0.0000


 139.4923,
111.3095, 33.4002

 8.4755, 4.1675,
0.0000

 173.7064,
141.4611, 47.9151

 4.4550, 1.7677,
0.0000

 213.1022,
176.6182, 66.1230


 1.9626, 0.4669,
0.0000

 258.0449,


 0.6128, 0.0000,


217.1652, 88.4423


0.0000


 308.8999,
263.4864, 115.2915


 0.0000, 0.0000,
0.0000


 47.1451, 33.0703,
3.8984


 47.1451, 33.0703,
3.8984


 47.1453, 33.0711,
3.8985

 49.0370, 36.5649,
5.4219

 51.4225, 40.6692,
8.2726

 54.3846, 45.4341,
12.8337

 57.9768, 50.8964,
19.3407

 62.2454, 57.0890,
27.9912

67.2312, 64.0423,
38.9582

72.9715, 71.7844,
52.3969

79.5006, 80.3419,
68.4488

86.8507, 89.7400,
87.2446

Harmonies

Analogous

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



58.4886, 33.0703, 13.8694



47.1451, 33.0703, 3.8984



33.4175, 33.0703, 1.7635

Triad

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



47.1451, 33.0703, 3.8984



13.0678, 33.0703, 30.7204



42.8676, 33.0703, 140.6694

Complementary

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



47.1451, 33.0703, 3.8984



27.7226, 26.5653, 98.2733

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.



29.5273, 33.0703, 157.1290



47.1451, 33.0703, 3.8984



14.3510, 33.0703, 74.1789

Square

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



47.1451, 33.0703, 3.8984



15.5353, 33.0703, 9.3635



19.6676, 33.0703, 127.3010



55.5954, 33.0703, 90.9199

Rectangle

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



47.1451, 33.0703, 3.8984



25.4976, 33.0703, 2.0786



19.6676, 33.0703, 127.3010



38.2231, 33.0703, 151.2591

Sweetspot

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



47.1458, 33.0722, 3.8989



72.9702, 71.7825, 52.3926



46.3123, 23.2890, 28.6418



15.0804, 14.6448, 9.9350



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.



47.1458, 33.0722, 3.8989



47.1457, 33.0714, 3.8986



71.8140, 82.4086, 12.1217



18.6719, 19.3120, 18.8878



24.7780, 17.5671, 2.0849



2.5194, 1.9241, 0.2386

Inverse Universe

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



27.7226, 26.5653, 98.2733



27.7222, 26.5644, 98.2741



18.2505, 7.6211, 95.1159



17.8419, 19.0555, 22.9877



14.6368, 14.1832, 51.4008



1.5341, 1.5989, 5.0410

Previews

White Background



This preview shows how the XYZ color 47.1451, 33.0703, 3.8984 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 47.1451, 33.0703, 3.8984 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 47.1451, 33.0703, 3.8984

Background



This preview shows how black text looks on a background with the XYZ color 47.1451, 33.0703, 3.8984.



This preview shows how white text looks on a background with the XYZ color 47.1451, 33.0703,

3.8984.

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

47.1451, 33.0703, 3.8984

Protanopia

30.1263, 33.4100, 5.7251

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

49.6398, 33.2000, 19.7115

Trichromacy



Original Color

47.1451, 33.0703, 3.8984

Protanomaly

34.7879, 32.0634, 4.8073

Deuteranomaly

37.5774, 32.2334, 4.2411

Tritanomaly

48.0185, 32.8929, 10.1214

Monochromacy



Original Color

47.1451, 33.0703, 3.8984

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

29.9068, 27.4482, 13.6193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1451, 33.0703, 3.8984 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, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 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, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.1451, 33.0703, 3.8984 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, 113, 0) }
```


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

```
.border{ border-color:rgb(255, 113, 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, 113, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1451, 33.0703, 3.8984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 113, 0) }
```

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

```
.background{ background-color: rgb(255,  
113, 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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