

Converting Colors

XYZ(47.1814, 33.1378, 3.9279)

Have a look what the booklet for
XYZ(47.1814, 33.1378, 3.9279)
contains.

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Color

**XYZ(47.1506, 33.0724,
3.9272)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7101
RGB	255, 113, 1
RGB Percent	100%, 44%, 0%
CMY	0.0000, 0.5568, 0.9961
CMYK	0.00, 0.56, 1.00, 0.00
HSL	26°, 100%, 50%
HSV	26°, 100%, 100%
XYZ	47.1506, 33.0724, 3.9272
YIQ	142.6900, 120.5840, -4.7280

Conversions

Conversions Part 2

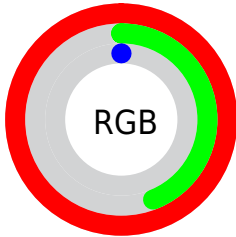
Format	Color
R_{YB}	255, 201, 1
Decimal	16740609
CIE Lab	64.22, 50.04, 72.23
CIE LCh	64, 87.867, 55.288
Yxy	33.0724, 0.5603, 0.3930
Android (android.graphics.Color)	4294930689 (0xFFFF7101)
YUV	142.6900, -69.8532, 98.4959
Hunter-Lab	57.5086, 45.7099, 36.2072

Details

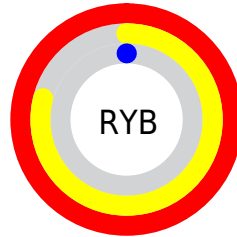
The XYZ color **47.1506, 33.0724, 3.9272** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.8845, 26.8706, 98.3239**, and the grayscale version is **26.2222, 27.5878, 30.0432**.

A 20% lighter version of the original color is **56.3800, 49.7202, 12.5866**, and **22.7992, 14.0751, 1.5151** is the 20% darker color. If you saturate the color by 10%, you get **47.0832, 32.9468, 3.8778**, and if you desaturate by 10%, it is **49.0554, 36.5838, 5.4831**.

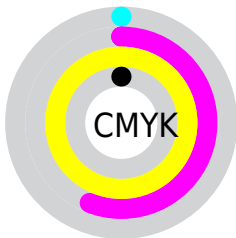
Distribution



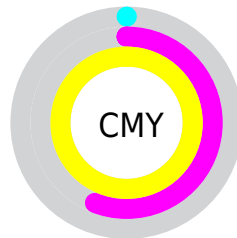
- Red (100%)
- Green (44%)
- Blue (0%)



- Red (100%)
- Yellow (79%)
- 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 47.1506, 33.0724, 3.9272 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 47.1506, 33.0724, 3.9272 by changing the saturation by 10% instead.

47.1506, 33.0724,
3.9272

47.1506, 33.0724,
3.9272

366.0542,
315.9758, 147.4127

33.3632, 22.1819,
1.5855

85.1558, 64.4885,
13.8415

22.5654, 13.9906,
0.2804

110.1042, 85.7830,
22.2512

14.3918, 8.1141,
0.0000

139.5037,
111.3142, 33.5206

8.4772, 4.1681,
0.0000

173.7196,
141.4666, 48.0683

4.4562, 1.7680,
0.0000

213.1172,
176.6246, 66.3128


1.9633, 0.4671,
0.0000

258.0619,


0.6132, 0.0000,


217.1725, 88.6727


0.0000


 308.9192,
263.4948, 115.5665


 0.0000, 0.0000,
0.0000


 47.1506, 33.0724,
3.9272


 47.1506, 33.0724,
3.9272


 47.0832, 32.9468,
3.8778

 49.0554, 36.5838,
5.4831

 51.4613, 40.7112,
8.3954

 54.4479, 45.5043,
13.0289

 58.0686, 51.0000,
19.6172

 62.3693, 57.2314,
28.3569

67.3909, 64.2290,
39.4203

73.1707, 72.0211,
52.9619

79.7431, 80.6343,
69.1227

87.1401, 90.0939,
88.0334

Harmonies

Analogous

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



58.4617, 33.0724, 13.9293



47.1506, 33.0724, 3.9272



33.4442, 33.0724, 1.7779

Triad

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



47.1506, 33.0724, 3.9272



13.0892, 33.0724, 30.6617



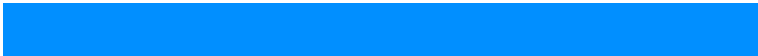
42.8226, 33.0724, 140.5346

Complementary

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



47.1506, 33.0724, 3.9272



27.8845, 26.8706, 98.3239

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.



29.5066, 33.0724, 156.8565



47.1506, 33.0724, 3.9272



14.3639, 33.0724, 74.0035

Square

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



47.1506, 33.0724, 3.9272



15.5637, 33.0724, 9.3619



19.6675, 33.0724, 127.0183



55.5350, 33.0724, 90.9358

Rectangle

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



47.1506, 33.0724, 3.9272



25.5295, 33.0724, 2.0902



19.6675, 33.0724, 127.0183



38.1859, 33.0724, 151.0699

Sweetspot

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



47.1513, 33.0743, 3.9277



72.9282, 71.6984, 52.3786



46.3565, 23.3241, 28.8209



15.0706, 14.6250, 9.9317



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.



47.1513, 33.0743, 3.9277



47.0835, 32.9470, 3.8778



71.8391, 82.4498, 12.1570



18.6685, 19.3052, 18.8867



24.7451, 17.5015, 2.0739



2.5160, 1.9174, 0.2375

Inverse Universe

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



27.8845, 26.8706, 98.3239



27.8056, 26.7312, 98.3019



18.2778, 7.6571, 95.1216



17.8454, 19.0623, 22.9888



14.6804, 14.2704, 51.4153



1.5383, 1.6073, 5.0424

Previews

White Background



This preview shows how the XYZ color 47.1506, 33.0724, 3.9272 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 47.1506, 33.0724, 3.9272 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 47.1506, 33.0724, 3.9272

Background



This preview shows how black text looks on a background with the XYZ color 47.1506, 33.0724, 3.9272.



This preview shows how white text looks on a background with the XYZ color 47.1506, 33.0724,

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

47.1506, 33.0724, 3.9272

Protanopia

30.1263, 33.4100, 5.7251

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

49.6398, 33.2000, 19.7115

Trichromacy



Original Color

47.1506, 33.0724, 3.9272

Protanomaly

34.7952, 32.0663, 4.8457

Deuteranomaly

37.5774, 32.2334, 4.2411

Tritanomaly

48.0185, 32.8929, 10.1214

Monochromacy



Original Color

47.1506, 33.0724, 3.9272

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 47.1506, 33.0724, 3.9272 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 1) }
```

Border

The CSS property to change the border of an element to XYZ 47.1506, 33.0724, 3.9272 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, 1) }
```


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

```
.border{ border-color:rgb(255, 113, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1506, 33.0724, 3.9272 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, 1) }
```

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

```
.background{ background-color: rgb(255,  
113, 1) }
```

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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