

Converting Colors

XYZ(47.1677, 33.0332, 4.1594)

Have a look what the booklet for
XYZ(47.1677, 33.0332, 4.1594)
contains.

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Color

**XYZ(47.1944, 33.0900,
4.1580)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7109
RGB	255, 113, 9
RGB Percent	100%, 44%, 4%
CMY	0.0000, 0.5568, 0.9647
CMYK	0.00, 0.56, 0.96, 0.00
HSL	25°, 100%, 52%
HSV	25°, 96%, 100%
XYZ	47.1944, 33.0900, 4.1580
YIQ	143.6020, 118.0160, -2.2400

Conversions

Conversions Part 2

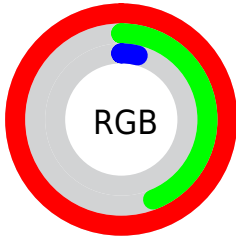
Format	Color
R _Y B	255, 189, 9
Decimal	16740617
CIE Lab	64.23, 50.10, 70.98
CIE LCh	64, 86.882, 54.787
Yxy	33.0900, 0.5589, 0.3919
Android (android.graphics.Color)	4294930697 (0xFFFF7109)
YUV	143.6020, -66.3588, 97.6960
Hunter-Lab	57.5239, 45.7801, 35.9811

Details

The XYZ color **47.1944, 33.0900, 4.1580** 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 **29.2286, 29.4100, 98.7430**, and the grayscale version is **26.5757, 27.9597, 30.4482**.

A 20% lighter version of the original color is **56.4787, 49.7597, 13.1064**, and **22.7992, 14.0751, 1.5151** is the 20% darker color. If you saturate the color by 10%, you get **46.5822, 31.9450, 3.7109**, and if you desaturate by 10%, it is **49.2195, 36.7458, 6.0504**.

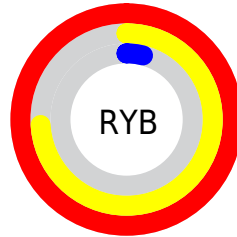
Distribution



Red (100%)

Green (44%)

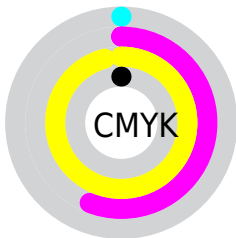
Blue (4%)



Red (100%)

Yellow (74%)

Blue (4%)

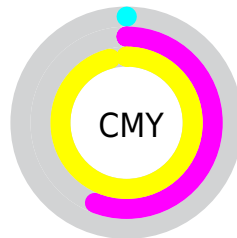


Cyan (0%)

Magenta (56%)

Yellow (96%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1944, 33.0900, 4.1580 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 47.1944, 33.0900, 4.1580 by changing the saturation by 10% instead.


 47.1944, 33.0900,
4.1580


 47.1944, 33.0900,
4.1580


366.2259,
316.0551, 149.9657


 33.3980, 22.1954,
1.7124


 85.2207, 64.5160,
14.3725

 22.5922, 14.0005,
0.3692


 110.1813, 85.8162,
22.9786

 14.4117, 8.1210,
0.0000


 139.5939,
111.3538, 34.4752

 8.4912, 4.1725,
0.0000

 173.8240,
141.5130, 49.2809

 4.4652, 1.7705,
0.0000

 213.2369,
176.6784, 67.8143


 1.9686, 0.4687,
0.0000

 258.1980,


 0.6162, 0.0000,


217.2342, 90.4938


0.0000


 309.0725,
263.5650, 117.7381


 0.0000, 0.0000,
0.0000


 47.1944, 33.0900,
4.1580


 47.1944, 33.0900,
4.1580


 46.5822, 31.9450,
3.7109

 49.2195, 36.7458,
6.0504

 51.7950, 41.0654,
9.4724

 54.9845, 46.0938,
14.6992

 58.8398, 51.8688,
21.9512

 63.4059, 58.4244,
31.4167

68.7236, 65.7924,
43.2623

74.8299, 74.0022,
57.6380

81.7594, 83.0817,
74.6818

89.5441, 93.0575,
94.5214

Harmonies

Analogous

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



58.2523, 33.0900, 14.4047



47.1944, 33.0900, 4.1580



33.6541, 33.0900, 1.8930

Triad

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



47.1944, 33.0900, 4.1580



13.2586, 33.0900, 30.2071



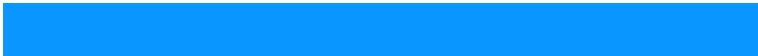
42.4723, 33.0900, 139.4817

Complementary

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



47.1944, 33.0900, 4.1580



29.2286, 29.4100, 98.7430

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.



29.3463, 33.0900, 154.7341



47.1944, 33.0900, 4.1580



14.4662, 33.0900, 72.6426

Square

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



47.1944, 33.0900, 4.1580



15.7878, 33.0900, 9.3502



19.6675, 33.0900, 124.8215



55.0644, 33.0900, 91.0600

Rectangle

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



47.1944, 33.0900, 4.1580



25.7807, 33.0900, 2.1827



19.6675, 33.0900, 124.8215



37.8972, 33.0900, 149.5933

Sweetspot

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



47.1951, 33.0919, 4.1585



73.2080, 71.8430, 53.7516



47.0461, 23.7388, 32.0243



15.1096, 14.6252, 10.1849



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.



47.1951, 33.0919, 4.1585



46.5827, 31.9453, 3.7109



70.8542, 80.4100, 12.0449



18.6406, 19.2493, 18.8774



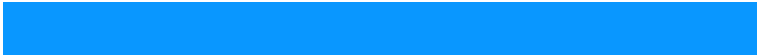
24.4807, 16.9726, 1.9858



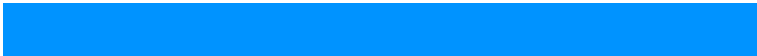
2.4890, 1.8633, 0.2285

Inverse Universe

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



29.2286, 29.4100, 98.7430



28.5131, 28.1462, 98.5377



18.6144, 8.1818, 95.2050



17.8738, 19.1192, 22.9983



15.0498, 15.0092, 51.5384



1.5736, 1.6779, 5.0542

Previews

White Background



This preview shows how the XYZ color 47.1944, 33.0900, 4.1580 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 47.1944, 33.0900, 4.1580 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 47.1944, 33.0900, 4.1580

Background



This preview shows how black text looks on a background with the XYZ color 47.1944, 33.0900, 4.1580.



This preview shows how white text looks on a background with the XYZ color 47.1944, 33.0900,

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

47.1944, 33.0900, 4.1580

Protanopia

30.1479, 33.4186, 5.8388

Deuteranopia

33.6159, 33.0501, 4.6076



Tritanopia

49.6398, 33.2000, 19.7115

Trichromacy



Original Color

47.1944, 33.0900, 4.1580

Protanomaly

34.8280, 32.0794, 5.0181

Deuteranomaly

37.5939, 32.2399, 4.3277

Tritanomaly

48.1204, 32.9337, 10.6581

Monochromacy



Original Color

47.1944, 33.0900, 4.1580

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

30.2203, 27.7916, 14.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1944, 33.0900, 4.1580 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(255, 113, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 113, 9) }
```

Border

The CSS property to change the border of an element to XYZ 47.1944, 33.0900, 4.1580 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, 9) }
```


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

```
.border{ border-color:rgb(255, 113, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 113, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 113, 9);  
box-shadow:4px 4px 4px 4px rgb(255, 113,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1944, 33.0900, 4.1580 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, 9) }
```

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

```
.background{ background-color: rgb(255,  
113, 9) }
```

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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