

Converting Colors

XYZ(47.3376, 32.8017, 5.9811)

Have a look what the booklet for
XYZ(47.3376, 32.8017, 5.9811)
contains.

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Color

**XYZ(47.3424, 32.7960,
6.0255)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6F2A
RGB	255, 111, 42
RGB Percent	100%, 44%, 16%
CMY	0.0000, 0.5647, 0.8353
CMYK	0.00, 0.56, 0.84, 0.00
HSL	19°, 100%, 58%
HSV	19°, 84%, 100%
XYZ	47.3424, 32.7960, 6.0255
YIQ	146.1900, 107.9730, 9.0690

Conversions

Conversions Part 2

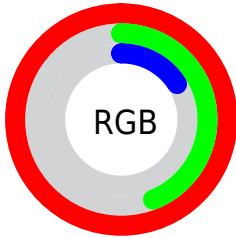
Format	Color
R _Y B	255, 144, 42
Decimal	16740138
CIE Lab	64.00, 51.54, 61.71
CIE LCh	64, 80.399, 50.132
Yxy	32.7960, 0.5494, 0.3806
Android (android.graphics.Color)	4294930218 (0xFFFF6F2A)
YUV	146.1900, -51.3657, 95.4264
Hunter-Lab	57.2678, 47.3446, 33.8492

Details

The XYZ color **47.3424, 32.7960, 6.0255** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **36.5622, 42.8270, 100.9466**, and the grayscale version is **27.5740, 29.0100, 31.5919**.

A 20% lighter version of the original color is **56.8966, 49.3406, 17.1146**, and **22.6494, 13.7755, 1.4652** is the 20% darker color. If you saturate the color by 10%, you get **45.3194, 29.2634, 3.7699**, and if you desaturate by 10%, it is **50.0195, 37.1741, 9.9285**.

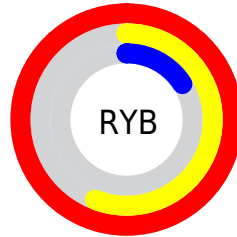
Distribution



Red (100%)

Green (44%)

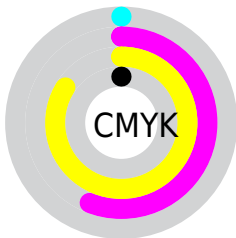
Blue (16%)



Red (100%)

Yellow (56%)

Blue (16%)

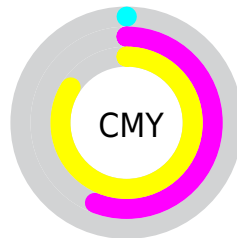


Cyan (0%)

Magenta (56%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (56%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.3424, 32.7960, 6.0255 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 47.3424, 32.7960, 6.0255 by changing the saturation by 10% instead.


 47.3424, 32.7960,
6.0255


 47.3424, 32.7960,
6.0255


366.8057,
314.7295, 168.6125

 33.5155, 21.9702,
2.7916


 85.4401, 64.0569,
18.4624


 22.6828, 13.8350,
0.9892


 110.4417, 85.2608,
28.5024


 14.4788, 8.0060,
0.0000


 139.8988,
110.6929, 41.6482

 8.5384, 4.0988,
0.0000

 174.1769,
140.7375, 58.3183

 4.4960, 1.7290,
0.0000

 213.6412,
175.7791, 78.9312

 1.9864, 0.4423,
0.0000

 258.6573,

 0.6263, 0.0000,

216.2020, 103.9055

0.0000

309.5903,
262.3907, 133.6598

■ 0.0000, 0.0000,
0.0000

■ 47.3424, 32.7960,
6.0255

■ 47.3424, 32.7960,
6.0255

■ 45.3194, 29.2634,
3.7699

■ 50.0195, 37.1741,
9.9285

■ 44.3036, 27.3876,
2.9513

■ 53.4154, 42.4498,
15.7347

■ 57.5880, 48.6764,
23.6566

■ 62.5877, 55.9010,
33.8775

■ 68.4604, 64.1673,
46.5608

75.2483, 73.5161,
61.8548

82.9907, 83.9860,
79.8958

91.7245, 95.6137,
100.8109

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.



56.4534, 32.7960, 18.2399



47.3424, 32.7960, 6.0255



35.0599, 32.7960, 2.7548

Triad

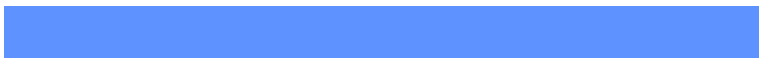
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.3424, 32.7960, 6.0255



14.2463, 32.7960, 26.0404



39.2948, 32.7960, 132.2864

Complementary

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



47.3424, 32.7960, 6.0255



36.5622, 42.8270, 100.9466

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.



27.5820, 32.7960, 139.3303



47.3424, 32.7960, 6.0255



14.8538, 32.7960, 61.8032

Square

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



47.3424, 32.7960, 6.0255



17.2523, 32.7960, 8.7738



19.1792, 32.7960, 108.2816



51.0811, 32.7960, 92.5612

Rectangle

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



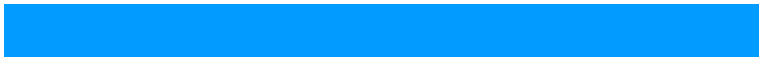
47.3424, 32.7960, 6.0255



27.4910, 32.7960, 2.7638



19.1792, 32.7960, 108.2816



35.1669, 32.7960, 139.2068

Sweetspot

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



47.3431, 32.7978, 6.0260



74.1909, 72.0714, 59.4355



51.0965, 26.5274, 49.7504



15.3570, 14.7086, 11.5360



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.



47.3431, 32.7978, 6.0260



44.3039, 27.3877, 2.9513



66.2008, 70.5131, 12.3119



18.4898, 18.9479, 18.8271



23.2693, 14.5498, 1.5820



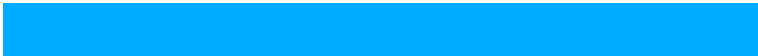
2.3600, 1.6053, 0.1855

Inverse Universe

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



36.5622, 42.8270, 100.9466



32.8760, 36.8720, 99.9920



21.9511, 13.6048, 96.0763



18.0297, 19.4310, 23.0502



17.3199, 19.5494, 52.2951



1.7857, 2.1021, 5.1249

Previews

White Background



This preview shows how the XYZ color 47.3424, 32.7960, 6.0255 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 47.3424, 32.7960, 6.0255 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 47.3424, 32.7960, 6.0255

Background



This preview shows how black text looks on a background with the XYZ color 47.3424, 32.7960, 6.0255.



This preview shows how white text looks on a background with the XYZ color 47.3424, 32.7960,

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

47.3424, 32.7960, 6.0255

Protanopia

30.0099, 33.0419, 8.2861

Deuteranopia

33.3851, 32.6778, 5.5251



Tritanopia

49.3747, 32.7603, 19.3438

Trichromacy



Original Color

47.3424, 32.7960, 6.0255

Protanomaly

34.5824, 31.6830, 7.3103

Deuteranomaly

37.4011, 31.9062, 5.5538

Tritanomaly

48.3229, 32.6732, 12.7765

Monochromacy



Original Color

47.3424, 32.7960, 6.0255

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

31.3440, 28.2969, 17.9972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3424, 32.7960, 6.0255 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, 111, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 42)  
}
```

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, 111, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 42) }
```

Border

The CSS property to change the border of an element to XYZ 47.3424, 32.7960, 6.0255 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, 111, 42) }
```


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

```
.border{ border-color:rgb(255, 111, 42) }
```

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

Here you see how a box with a 4 pixel rgb(255, 111, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3424, 32.7960, 6.0255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 42) }
```

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

```
.background{ background-color: rgb(255,  
111, 42) }
```

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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