

Converting Colors

XYZ(46.4915, 30.5186, 9.1954)

Have a look what the booklet for
XYZ(46.4915, 30.5186, 9.1954)
contains.

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Color

**XYZ(46.4404, 30.4367,
9.2215)**

Conversions

Conversions Part 1

Format	Color
Hex	FE6346
RGB	254, 99, 70
RGB Percent	100%, 39%, 27%
CMY	0.0039, 0.6117, 0.7255
CMYK	0.00, 0.61, 0.72, 0.00
HSL	9°, 99%, 64%
HSV	9°, 72%, 100%
XYZ	46.4404, 30.4367, 9.2215
YIQ	142.0390, 101.6890, 23.8410

Conversions

Conversions Part 2

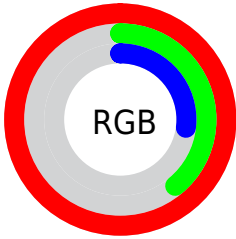
Format	Color
RYB	254, 104, 70
Decimal	16671558
CIELab	62.03, 57.48, 46.70
CIELCh	62, 74.061, 39.094
Yxy	30.4367, 0.5394, 0.3535
Android (android.graphics.Color)	4294861638 (0xFFFE6346)
YUV	142.0390, -35.5152, 98.1898
Hunter-Lab	55.1695, 53.7107, 28.7084

Details

The XYZ color **46.4404, 30.4367, 9.2215** 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 **47.3378, 62.3032, 103.2961**, and the grayscale version is **25.8358, 27.1813, 29.6004**.

A 20% lighter version of the original color is **56.3515, 46.0588, 23.6895**, and **22.1487, 12.5266, 2.0611** is the 20% darker color. If you saturate the color by 10%, you get **44.0359, 26.6512, 5.2658**, and if you desaturate by 10%, it is **49.7219, 35.4348, 15.1412**.

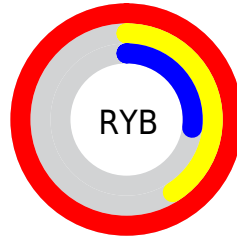
Distribution



Red (100%)

Green (39%)

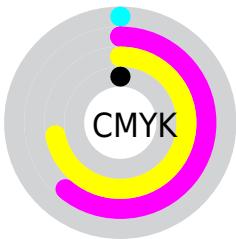
Blue (27%)



Red (100%)

Yellow (41%)

Blue (27%)

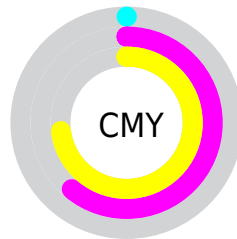


Cyan (0%)

Magenta (61%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4404, 30.4367, 9.2215 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 46.4404, 30.4367, 9.2215 by changing the saturation by 10% instead.


 46.4404, 30.4367,
9.2215


 46.4404, 30.4367,
9.2215

363.2627,
303.9347, 195.3003


 32.7996, 20.1703,
4.7872


 84.1015, 60.3521,
24.9050

 22.1315, 12.5189,
2.0664


 108.8526, 80.7699,
36.9913


 14.0707, 7.0981,
0.5957


 138.0377,
105.3403, 52.4654

 8.2519, 3.5235,
0.0000

 172.0224,
134.4476, 71.7456

 4.3097, 1.4108,
0.0000

 211.1718,
168.4764, 95.2507

 1.8788, 0.2246,
0.0000

255.8515,

 0.5645, 0.0000,

207.8109, 123.3992

0.0000

306.4266,
252.8355, 156.6095

■ 0.0000, 0.0000,
0.0000

■ 46.4404, 30.4367,
9.2215

■ 46.4404, 30.4367,
9.2215

■ 44.0359, 26.6512,
5.2658

■ 49.7219, 35.4348,
15.1412

■ 42.4169, 23.9680,
3.0158


■ 53.9551, 41.7330,
23.2367


■ 41.6331, 22.5913,
2.1663

■ 59.2088, 49.4163,
33.6937

■ 65.5445, 58.5612,
46.6778

■ 73.0191, 69.2383,
62.3395

 81.6852, 81.5137,
80.8175

 91.5922, 95.4497,
102.2409

94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



52.2002, 30.4367, 25.2203



46.4404, 30.4367, 9.2215



36.2983, 30.4367, 3.7980

Triad

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



46.4404, 30.4367, 9.2215



14.4971, 30.4367, 17.1956



32.0562, 30.4367, 121.8846

Complementary

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



46.4404, 30.4367, 9.2215



47.3378, 62.3032, 103.2961

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.



22.6317, 30.4367, 115.0703



46.4404, 30.4367, 9.2215



13.8643, 30.4367, 42.5660

Square

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



46.4404, 30.4367, 9.2215



18.4739, 30.4367, 6.2266



16.4875, 30.4367, 81.0221



42.7313, 30.4367, 96.3516

Rectangle

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



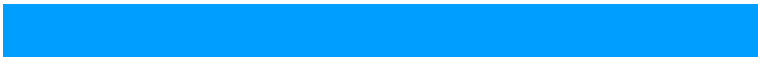
46.4404, 30.4367, 9.2215



29.2323, 30.4367, 3.0111



16.4875, 30.4367, 81.0221



28.6282, 30.4367, 123.5148

Sweetspot

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



46.4411, 30.4384, 9.2220



74.0308, 70.3662, 63.6522



56.8454, 30.9641, 75.2199



15.3798, 14.3982, 12.6407



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.



46.4411, 30.4384, 9.2220



43.5914, 25.5202, 4.0783



60.3052, 58.1667, 13.8434



18.2406, 18.4493, 18.7440



22.0169, 12.0451, 1.1645



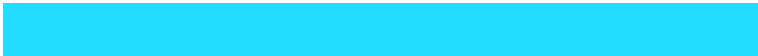
2.2072, 1.2998, 0.1346

Inverse Universe

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



47.3378, 62.3032, 103.2961



44.2814, 58.7446, 103.6127



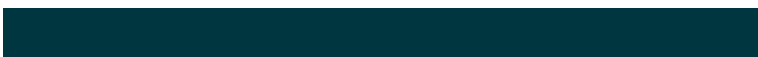
28.9957, 25.6189, 97.1821



18.2966, 19.9649, 23.1392



22.1935, 29.2966, 53.9197



2.2235, 2.9778, 5.2708

Previews

White Background



This preview shows how the XYZ color 46.4404, 30.4367, 9.2215 looks on a white background.

Color Contrast Check

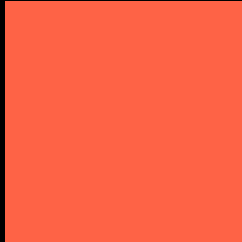
Large Text (above 18pt) WCAG AA × Fail

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 46.4404, 30.4367, 9.2215 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 46.4404, 30.4367, 9.2215

Background



This preview shows how black text looks on a background with the XYZ color 46.4404, 30.4367, 9.2215.



This preview shows how white text looks on a background with the XYZ color 46.4404, 30.4367,

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

46.4404, 30.4367, 9.2215

Protanopia

28.1437, 30.5001, 13.4206

Deuteranopia

31.1583, 30.5466, 8.6688



Tritanopia

47.6812, 30.3840, 15.6635

Trichromacy



Original Color

46.4404, 30.4367, 9.2215

Protanomaly

32.6275, 28.6970, 11.6040

Deuteranomaly

35.3788, 29.3978, 8.6602

Tritanomaly

47.2683, 30.3639, 13.0424

Monochromacy



Original Color

46.4404, 30.4367, 9.2215

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

30.1417, 26.2499, 20.0011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4404, 30.4367, 9.2215 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(254, 99, 70)` looks like.

```
.text, #text, p{  
    color:rgb(254, 99, 70)  
}
```

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(254, 99, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 99, 70) }
```

Border

The CSS property to change the border of an element to XYZ 46.4404, 30.4367, 9.2215 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(254, 99, 70) }
```


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

```
.border{ border-color:rgb(254, 99, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 99, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 99, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 99, 70);  
box-shadow:4px 4px 4px 4px rgb(254, 99,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4404, 30.4367, 9.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 99, 70) }
```

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

```
.background{ background-color: rgb(254, 99,  
70) }
```

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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