

Converting Colors

XYZ(46.8464, 30.6324, 9.4723)

Have a look what the booklet for
XYZ(46.8464, 30.6324, 9.4723)
contains.

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Color

**XYZ(46.8392, 30.6386,
9.4064)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6347
RGB	255, 99, 71
RGB Percent	100%, 39%, 28%
CMY	0.0000, 0.6117, 0.7216
CMYK	0.00, 0.61, 0.72, 0.00
HSL	9°, 100%, 64%
HSV	9°, 72%, 100%
XYZ	46.8392, 30.6386, 9.4064
YIQ	142.4520, 101.9640, 24.3640

Conversions

Conversions Part 2

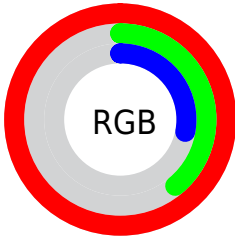
Format	Color
RYB	255, 104, 71
Decimal	16737095
CIELab	62.20, 57.86, 46.42
CIELCh	62, 74.178, 38.737
Yxy	30.6386, 0.5391, 0.3526
Android (android.graphics.Color)	4294927175 (0xFFFF6347)
YUV	142.4520, -35.2258, 98.7046
Hunter-Lab	55.3521, 54.1811, 28.6709

Details

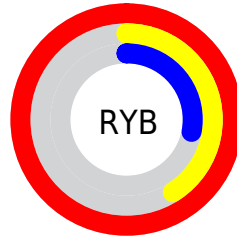
The XYZ color **46.8392, 30.6386, 9.4064** is a dark color, and the websafe version is hex **FF6633**, and the color name is **tomato**. The color can be described as middle washed orange. A complement of this color would be **48.1151, 63.4928, 104.3266**, and the grayscale version is **25.9987, 27.3527, 29.7871**.

A 20% lighter version of the original color is **56.4125, 46.0832, 24.0108**, and **22.4095, 12.6599, 2.1266** is the 20% darker color. If you saturate the color by 10%, you get **44.4045, 26.8159, 5.3691**, and if you desaturate by 10%, it is **50.1665, 35.6982, 15.4341**.

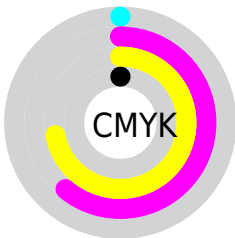
Distribution



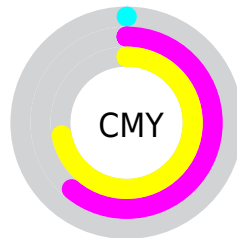
- Red (100%)
- Green (39%)
- Blue (28%)



- Red (100%)
- Yellow (41%)
- Blue (28%)



- Cyan (0%)
- Magenta (61%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8392, 30.6386, 9.4064 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 46.8392, 30.6386, 9.4064 by changing the saturation by 10% instead.


 46.8392, 30.6386,
9.4064


 46.8392, 30.6386,
9.4064


364.8320,
304.8699, 196.7097


 33.1160, 20.3238,
4.9068


 84.6938, 60.6706,
25.2630


 22.3750, 12.6306,
2.1349


 109.5558, 81.1567,
37.4570


 14.2508, 7.1747,
0.6364


 138.8615,
105.8019, 53.0529

 8.3782, 3.5716,
0.0000

 172.9761,
134.9907, 72.4693

 4.3917, 1.4369,
0.0000

 212.2652,
169.1075, 96.1246

 1.9260, 0.2437,
0.0000

257.0939,

 0.5919, 0.0000,

208.5367, 124.4374

0.0000

307.8277,
253.6627, 157.8262

■ 0.0000, 0.0000,
0.0000

■ 46.8392, 30.6386,
9.4064

■ 46.8392, 30.6386,
9.4064

■ 44.4045, 26.8159,
5.3691

■ 50.1665, 35.6982,
15.4341

■ 42.7692, 24.1168,
3.0627

■ 54.4624, 42.0844,
23.6654

■ 41.9593, 22.6989,
2.1698

■ 59.7969, 49.8847,
34.2875

■ 66.2329, 59.1774,
47.4672

■ 73.8281, 70.0350,
63.3565

82.6362, 82.5253,
82.0952

92.7076, 96.7121,
103.8137

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.



52.5566, 30.6386, 25.6763



46.8392, 30.6386, 9.4064



36.6646, 30.6386, 3.8600

Triad

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



46.8392, 30.6386, 9.4064



14.6275, 30.6386, 17.1112



32.1400, 30.6386, 122.7397

Complementary

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



46.8392, 30.6386, 9.4064



48.1151, 63.4928, 104.3266

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.



22.6904, 30.6386, 115.4772



46.8392, 30.6386, 9.4064



13.9521, 30.6386, 42.4419

Square

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



46.8392, 30.6386, 9.4064



18.6714, 30.6386, 6.2060



16.5515, 30.6386, 81.0362



42.8840, 30.6386, 97.3771

Rectangle

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



46.8392, 30.6386, 9.4064



29.5470, 30.6386, 3.0394



16.5515, 30.6386, 81.0362



28.6992, 30.6386, 124.2364

Sweetspot

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



46.8399, 30.6403, 9.4069



73.9567, 70.2178, 63.6274



57.4135, 31.3347, 75.9848



15.3626, 14.3639, 12.6350



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.



46.8399, 30.6403, 9.4069



43.5190, 25.3755, 4.0541



60.9208, 58.8022, 14.1005



18.2325, 18.4332, 18.7413



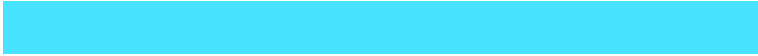
21.9909, 11.9931, 1.1558



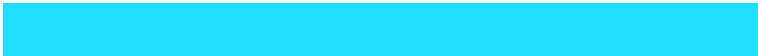
2.2035, 1.2923, 0.1333

Inverse Universe

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



48.1151, 63.4928, 104.3266



44.5992, 59.3801, 103.7186



29.3685, 25.9996, 98.0777



18.3054, 19.9825, 23.1422



22.3761, 29.6618, 53.9805



2.2396, 3.0099, 5.2762

Previews

White Background



This preview shows how the XYZ color 46.8392, 30.6386, 9.4064 looks on a white background.

Color Contrast Check

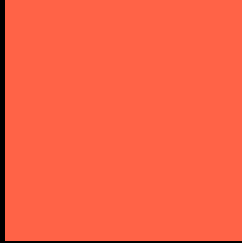
Large Text (above 18pt) WCAG AA × Fail

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 46.8392, 30.6386, 9.4064 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 46.8392, 30.6386, 9.4064

Background



This preview shows how black text looks on a background with the XYZ color 46.8392, 30.6386, 9.4064.



This preview shows how white text looks on a background with the XYZ color 46.8392, 30.6386,

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

46.8392, 30.6386, 9.4064

Protanopia

28.3451, 30.8371, 13.6907

Deuteranopia

31.1855, 30.5575, 8.8120



Tritanopia

47.8211, 30.5851, 15.9534

Trichromacy



Original Color

46.8392, 30.6386, 9.4064

Protanomaly

33.0630, 29.1175, 11.8603

Deuteranomaly

35.6949, 29.5574, 8.8249

Tritanomaly

47.4030, 30.5647, 13.2987

Monochromacy



Original Color

46.8392, 30.6386, 9.4064

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 46.8392, 30.6386, 9.4064 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, 99, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 71)  
}
```

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, 99, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 71) }
```

Border

The CSS property to change the border of an element to XYZ 46.8392, 30.6386, 9.4064 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, 99, 71) }
```


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

```
.border{ border-color:rgb(255, 99, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8392, 30.6386, 9.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 71) }
```

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

```
.background{ background-color: rgb(255, 99,  
71) }
```

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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