

Converting Colors

XYZ(46.9627, 30.3886, 10.9798)

Have a look what the booklet for
XYZ(46.9627, 30.3886, 10.9798)
contains.

XYZ(46.9627, 30.3886, 10.9798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.9627, 30.3886,
10.9798)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6150
RGB	255, 97, 80
RGB Percent	100%, 38%, 31%
CMY	0.0000, 0.6196, 0.6863
CMYK	0.00, 0.62, 0.69, 0.00
HSL	6°, 100%, 66%
HSV	6°, 69%, 100%
XYZ	46.9627, 30.3886, 10.9798
YIQ	142.3040, 99.6250, 28.2090

Conversions

Conversions Part 2

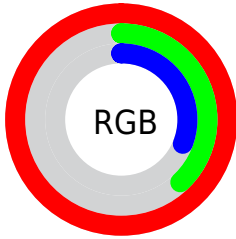
Format	Color
R _Y B	255, 99, 80
Decimal	16736592
CIE Lab	61.99, 59.13, 41.37
CIE LCh	62, 72.164, 34.980
Yxy	30.3886, 0.5317, 0.3440
Android (android.graphics.Color)	4294926672 (0xFFFF6150)
YUV	142.3040, -30.7159, 98.8344
Hunter-Lab	55.1259, 55.5971, 26.7789

Details

The XYZ color **46.9627, 30.3886, 10.9798** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **51.9300, 70.0689, 105.3949**, and the grayscale version is **25.9232, 27.2733, 29.7006**.

A 20% lighter version of the original color is **56.6605, 45.6542, 26.9449**, and **22.4055, 12.4536, 2.7363** is the 20% darker color. If you saturate the color by 10%, you get **44.3655, 26.4270, 6.3146**, and if you desaturate by 10%, it is **50.5357, 35.7307, 17.7332**.

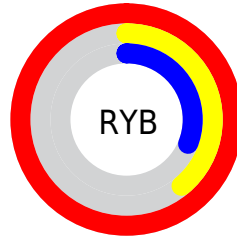
Distribution



Red (100%)

Green (38%)

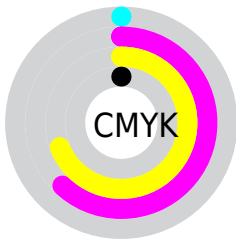
Blue (31%)



Red (100%)

Yellow (39%)

Blue (31%)

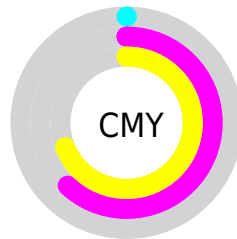


Cyan (0%)

Magenta (62%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9627, 30.3886, 10.9798 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 46.9627, 30.3886, 10.9798 by changing the saturation by 10% instead.


 46.9627, 30.3886,
10.9798


 46.9627, 30.3886,
10.9798

365.3170,
303.7116, 208.2614


 33.2140, 20.1337,
5.9393


 84.8770, 60.2762,
28.2589


 22.4504, 12.4923,
2.7400

 109.7733, 80.6777,
41.3345


 14.3067, 7.0799,
0.9635


 139.1163,
105.2302, 57.9256

 8.4174, 3.5121,
0.0000

 173.2711,
134.3181, 78.4506

 4.4172, 1.4046,
0.0000

 212.6033,
168.3258, 103.3282

 1.9408, 0.2201,
0.0000

257.4781,

 0.6004, 0.0000,

207.6377, 132.9768

0.0000

308.2609,
252.6382, 167.8150

■ 0.0000, 0.0000,
0.0000

■ 46.9627, 30.3886,
10.9798

■ 46.9627, 30.3886,
10.9798

■ 44.3655, 26.4270,
6.3146

■ 50.5357, 35.7307,
17.7332

■ 42.6439, 23.7134,
3.4920

■ 55.1670, 42.5594,
26.7802


■ 41.6729, 22.0955,
2.1690

■ 60.9328, 50.9767,
38.3033

■ 41.5828, 21.9460,
2.0443

■ 67.9016, 61.0738,
52.4660

■ 76.1364, 72.9351,
69.4180

 85.6959, 86.6393,
89.2977

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.



51.6606, 30.3886, 28.6754



46.9627, 30.3886, 10.9798



37.4866, 30.3886, 4.4847

Triad

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



46.9627, 30.3886, 10.9798



15.0938, 30.3886, 15.2841



30.5286, 30.3886, 119.5934

Complementary

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



46.9627, 30.3886, 10.9798



51.9300, 70.0689, 105.3949

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.



21.7089, 30.3886, 108.6454



46.9627, 30.3886, 10.9798



14.0327, 30.3886, 37.9316

Square

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



46.9627, 30.3886, 10.9798



19.4779, 30.3886, 5.8191



16.1659, 30.3886, 73.9901



40.9139, 30.3886, 98.7455

Rectangle

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



46.9627, 30.3886, 10.9798



30.5419, 30.3886, 3.3348



16.1659, 30.3886, 73.9901



27.2862, 30.3886, 119.5858

Sweetspot

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



46.9634, 30.3903, 10.9803



74.0649, 69.9568, 65.1357



59.8986, 33.3134, 86.0357



15.3568, 14.2595, 12.9190



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.



46.9634, 30.3903, 10.9803



43.6925, 25.3791, 5.1702



59.4328, 55.3292, 15.1368



18.1513, 18.2709, 18.7143



21.7748, 11.5607, 1.0838



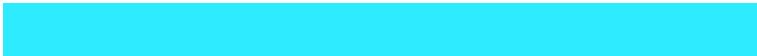
2.1654, 1.2161, 0.1206

Inverse Universe

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



51.9300, 70.0689, 105.3949



48.7880, 67.0301, 104.9744



32.7359, 31.6808, 98.9968



18.3951, 20.1618, 23.1720



24.3102, 33.5301, 54.6252



2.4090, 3.3486, 5.3327

Previews

White Background



This preview shows how the XYZ color 46.9627, 30.3886, 10.9798 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 46.9627, 30.3886, 10.9798 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 46.9627, 30.3886, 10.9798

Background



This preview shows how black text looks on a background with the XYZ color 46.9627, 30.3886, 10.9798.



This preview shows how white text looks on a background with the XYZ color 46.9627, 30.3886,

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

46.9627, 30.3886, 10.9798

Protanopia

28.2627, 30.5001, 16.2019

Deuteranopia

30.9674, 30.4141, 10.1996



Tritanopia

47.6812, 30.3840, 15.6635

Trichromacy



Original Color

46.9627, 30.3886, 10.9798

Protanomaly

32.8130, 28.7411, 13.9434

Deuteranomaly

35.2752, 29.1178, 10.2396

Tritanomaly

47.3987, 30.4161, 13.7286

Monochromacy



Original Color

46.9627, 30.3886, 10.9798

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

30.3191, 26.3209, 20.9352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9627, 30.3886, 10.9798 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, 97, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 80)  
}
```

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, 97, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 80) }
```

Border

The CSS property to change the border of an element to XYZ 46.9627, 30.3886, 10.9798 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, 97, 80) }
```


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

```
.border{ border-color:rgb(255, 97, 80) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9627, 30.3886, 10.9798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 80) }
```

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

```
.background{ background-color: rgb(255, 97,  
80) }
```

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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