

Converting Colors

XYZ(61.3040, 38.5619, 8.0356)

Have a look what the booklet for
XYZ(61.3040, 38.5619, 8.0356)
contains.

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Color

**XYZ(46.7299, 31.0582,
7.4028)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6639
RGB	255, 102, 57
RGB Percent	100%, 40%, 22%
CMY	0.0000, 0.6000, 0.7765
CMYK	0.00, 0.60, 0.78, 0.00
HSL	14°, 100%, 61%
HSV	14°, 78%, 100%
XYZ	46.7299, 31.0582, 7.4028
YIQ	142.6170, 105.6330, 18.4410

Conversions

Conversions Part 2

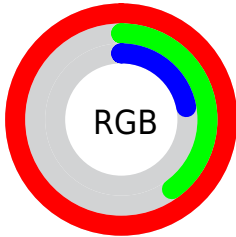
Format	Color
R _Y B	255, 115, 57
Decimal	16737849
CIE Lab	62.56, 56.02, 53.81
CIE LCh	63, 77.682, 43.848
Yxy	31.0582, 0.5485, 0.3646
Android (android.graphics.Color)	4294927929 (0xFFFF6639)
YUV	142.6170, -42.2092, 98.5599
Hunter-Lab	55.7299, 52.1462, 31.1352

Details

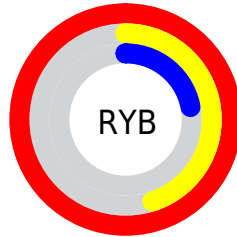
The XYZ color **46.7299, 31.0582, 7.4028** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **42.7816, 54.1784, 102.8097**, and the grayscale version is **26.0905, 27.4492, 29.8922**.

A 20% lighter version of the original color is **56.1207, 46.7753, 19.9806**, and **22.4462, 12.9619, 1.4337** is the 20% darker color. If you saturate the color by 10%, you get **44.5341, 27.4424, 4.2810**, and if you desaturate by 10%, it is **49.7062, 35.7255, 12.3590**.

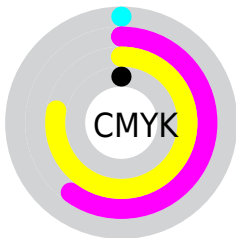
Distribution



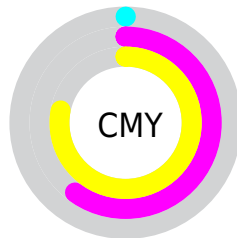
- Red (100%)
- Green (40%)
- Blue (22%)



- Red (100%)
- Yellow (45%)
- Blue (22%)



- Cyan (0%)
- Magenta (60%)
- Yellow (78%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7299, 31.0582, 7.4028 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 46.7299, 31.0582, 7.4028 by changing the saturation by 10% instead.


 46.7299, 31.0582,
7.4028


 46.7299, 31.0582,
7.4028


364.4023,
306.8064, 180.7259

 33.0292, 20.6432,
3.6330


 84.5315, 61.3317,
21.3056


 22.3082, 12.8634,
1.4263


 109.3632, 81.9589,
32.2757


 14.2014, 7.3346,
0.1621


 138.6358,
106.7591, 46.4829

 8.3435, 3.6722,
0.0000

 172.7149,
136.1164, 64.3459

 4.3692, 1.4919,
0.0000

 211.9658,
170.4154, 86.2832

 1.9130, 0.2830,
0.0000

 256.7537,

 0.5844, 0.0000,

210.0405, 112.7132

0.0000

307.4441,
255.3760, 144.0546

■ 0.0000, 0.0000,
0.0000

■ 46.7299, 31.0582,
7.4028

■ 46.7299, 31.0582,
7.4028

■ 44.5341, 27.4424,
4.2810

■ 49.7062, 35.7255,
12.3590

■ 43.0282, 24.7842,
2.6883

■ 53.5330, 41.5154,
19.3795

■ 42.7510, 24.2825,
2.4338

■ 58.2739, 48.4989,
28.6622

■ 63.9858, 56.7390,
40.3808

■ 70.7205, 66.2945,
54.6921

78.5263, 77.2202,
71.7397

87.4480, 89.5679,
91.6566

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



53.9666, 31.0582, 21.7145



46.7299, 31.0582, 7.4028



35.5401, 31.0582, 3.0631

Triad

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



46.7299, 31.0582, 7.4028



13.9893, 31.0582, 20.0759



34.6547, 31.0582, 127.6122

Complementary

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



46.7299, 31.0582, 7.4028



42.7816, 54.1784, 102.8097

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.



24.2211, 31.0582, 126.1504



46.7299, 31.0582, 7.4028



13.8612, 31.0582, 49.7435

Square

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



46.7299, 31.0582, 7.4028



17.5636, 31.0582, 6.8182



17.1582, 31.0582, 92.2623



45.9499, 31.0582, 95.5295

Rectangle

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



46.7299, 31.0582, 7.4028



28.1772, 31.0582, 2.6468



17.1582, 31.0582, 92.2623



30.9046, 31.0582, 131.4311

Sweetspot

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



46.7306, 31.0600, 7.4033



74.2119, 71.1979, 62.2648



54.5991, 28.9447, 65.0625



15.2991, 14.4178, 12.0560



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.



46.7306, 31.0600, 7.4033



43.6497, 25.9067, 3.2658



62.3786, 62.3560, 12.6193



18.3443, 18.6568, 18.7786



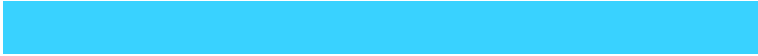
22.4300, 12.8713, 1.3022



2.2619, 1.4091, 0.1528

Inverse Universe

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



42.7816, 54.1784, 102.8097



39.2046, 49.1631, 102.0309



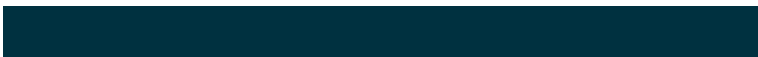
25.6537, 19.9226, 97.1004



18.1841, 19.7399, 23.1017



19.9862, 24.8820, 53.1839



2.0275, 2.5856, 5.2055

Previews

White Background



This preview shows how the XYZ color 46.7299, 31.0582, 7.4028 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 46.7299, 31.0582, 7.4028 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 46.7299, 31.0582, 7.4028

Background



This preview shows how black text looks on a background with the XYZ color 46.7299, 31.0582, 7.4028.



This preview shows how white text looks on a background with the XYZ color 46.7299, 31.0582,

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

46.7299, 31.0582, 7.4028

Protanopia

28.5140, 31.2362, 10.4876

Deuteranopia

31.6821, 31.0831, 6.8124



Tritanopia

48.1064, 30.9948, 16.5438

Trichromacy



Original Color

46.7299, 31.0582, 7.4028

Protanomaly

33.3279, 29.7229, 9.1348

Deuteranomaly

36.1362, 30.2184, 6.8339

Tritanomaly

47.4221, 30.8718, 12.4763

Monochromacy



Original Color

46.7299, 31.0582, 7.4028

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.4110, 26.7985, 18.8990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7299, 31.0582, 7.4028 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, 102, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 57)  
}
```

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, 102, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 57) }
```

Border

The CSS property to change the border of an element to XYZ 46.7299, 31.0582, 7.4028 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, 102, 57) }
```


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

```
.border{ border-color:rgb(255, 102, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 102, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7299, 31.0582, 7.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 57) }
```

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

```
.background{ background-color: rgb(255,  
102, 57) }
```

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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