

Converting Colors

XYZ(46.4592, 30.3586, 7.8003)

Have a look what the booklet for
XYZ(46.4592, 30.3586, 7.8003)
contains.

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Color

**XYZ(46.4500, 30.3323,
7.8214)**

Conversions

Conversions Part 1

Format	Color
Hex	FF623D
RGB	255, 98, 61
RGB Percent	100%, 38%, 24%
CMY	0.0000, 0.6156, 0.7608
CMYK	0.00, 0.62, 0.76, 0.00
HSL	11°, 100%, 62%
HSV	11°, 76%, 100%
XYZ	46.4500, 30.3323, 7.8214
YIQ	140.7250, 105.4490, 21.7770

Conversions

Conversions Part 2

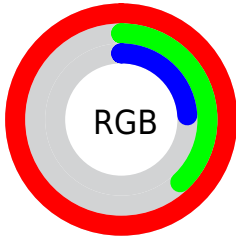
Format	Color
RYB	255, 107, 61
Decimal	16736829
CIELab	61.94, 57.89, 51.24
CIELCh	62, 77.311, 41.512
Yxy	30.3323, 0.5490, 0.3585
Android (android.graphics.Color)	4294926909 (0xFFFF623D)
YUV	140.7250, -39.3044, 100.2192
Hunter-Lab	55.0748, 54.1659, 30.1323

Details

The XYZ color **46.4500, 30.3323, 7.8214** 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 **45.0433, 58.3499, 103.4957**, and the grayscale version is **25.3312, 26.6503, 29.0222**.

A 20% lighter version of the original color is **55.6648, 45.5189, 20.8911**, and **22.2718, 12.5516, 1.5654** is the 20% darker color. If you saturate the color by 10%, you get **44.2308, 26.7446, 4.4604**, and if you desaturate by 10%, it is **49.4944, 35.0492, 13.0669**.

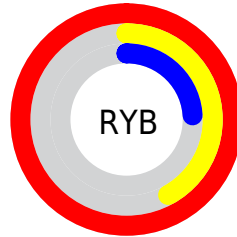
Distribution



Red (100%)

Green (38%)

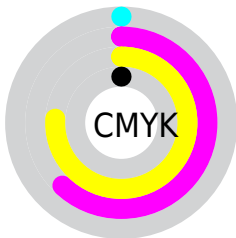
Blue (24%)



Red (100%)

Yellow (42%)

Blue (24%)

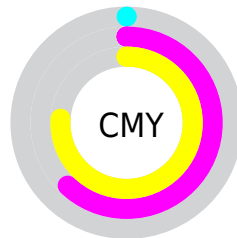


Cyan (0%)

Magenta (62%)

Yellow (76%)

Black (0%)



Cyan (0%)

Magenta (62%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4500, 30.3323, 7.8214 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 46.4500, 30.3323, 7.8214 by changing the saturation by 10% instead.


 46.4500, 30.3323,
7.8214


 46.4500, 30.3323,
7.8214


363.3005,
303.4503, 184.2064

 32.8072, 20.0910,
3.8947


 84.1158, 60.1873,
22.1479

 22.1373, 12.4612,
1.5678


 108.8695, 80.5697,
33.3849


 14.0750, 7.0586,
0.2677


 138.0576,
105.1013, 47.8957

 8.2549, 3.4988,
0.0000

 172.0454,
134.1664, 66.0989

 4.3117, 1.3973,
0.0000

 211.1982,
168.1495, 88.4130

 1.8799, 0.2148,
0.0000

 255.8814,

 0.5651, 0.0000,

207.4349, 115.2566

0.0000

306.4604,
252.4071, 147.0482

■ 0.0000, 0.0000,
0.0000

■ 46.4500, 30.3323,
7.8214

■ 46.4500, 30.3323,
7.8214

■ 44.2308, 26.7446,
4.4604

■ 49.4944, 35.0492,
13.0669

■ 42.7448, 24.1823,
2.7020

■ 53.4377, 40.9764,
20.4223


■ 42.3233, 23.4270,
2.2912

■ 58.3474, 48.1929,
30.0827

■ 64.2835, 56.7698,
42.2203

■ 71.3011, 66.7727,
56.9910

 79.4514, 78.2630,
74.5376

 88.7822, 91.2983,
94.9927

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



53.0618, 30.3323, 22.9065



46.4500, 30.3323, 7.8214



35.6132, 30.3323, 3.0981

Triad

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



46.4500, 30.3323, 7.8214



13.7735, 30.3323, 18.0481



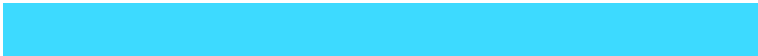
32.9875, 30.3323, 126.2885

Complementary

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



46.4500, 30.3323, 7.8214



45.0433, 58.3499, 103.4957

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.



22.9678, 30.3323, 121.9496



46.4500, 30.3323, 7.8214



13.3940, 30.3323, 45.7594

Square

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



46.4500, 30.3323, 7.8214



17.5479, 30.3323, 6.0904



16.3466, 30.3323, 87.0440



44.1361, 30.3323, 96.7407

Rectangle

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



46.4500, 30.3323, 7.8214



28.3079, 30.3323, 2.5332



16.3466, 30.3323, 87.0440



29.3584, 30.3323, 129.0642

Sweetspot

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



46.4507, 30.3340, 7.8219



73.6872, 70.1486, 62.0900



55.7518, 29.7348, 70.1180



15.1751, 14.1698, 12.0147



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.



46.4507, 30.3340, 7.8219



43.4143, 25.3619, 3.4151



61.2775, 59.9877, 12.7642



18.2898, 18.5477, 18.7604



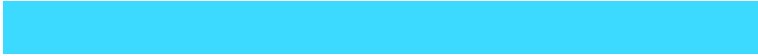
22.1944, 12.4001, 1.2237



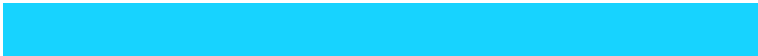
2.2316, 1.3485, 0.1427

Inverse Universe

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



45.0433, 58.3499, 103.4957



41.6300, 53.8571, 102.8091



26.9874, 22.2380, 97.4771



18.2430, 19.8577, 23.1214



21.1139, 27.1373, 53.5598



2.1280, 2.7867, 5.2390

Previews

White Background



This preview shows how the XYZ color 46.4500, 30.3323, 7.8214 looks on a white background.

Color Contrast Check

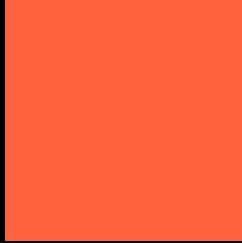
Large Text (above 18pt) WCAG AA × Fail

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 46.4500, 30.3323, 7.8214 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 46.4500, 30.3323, 7.8214

Background



This preview shows how black text looks on a background with the XYZ color 46.4500, 30.3323, 7.8214.



This preview shows how white text looks on a background with the XYZ color 46.4500, 30.3323,

7.8214.

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

46.4500, 30.3323, 7.8214

Protanopia

27.9718, 30.4555, 11.4254

Deuteranopia

30.9878, 30.2677, 7.2266



Tritanopia

47.6325, 30.3645, 15.4070

Trichromacy



Original Color

46.4500, 30.3323, 7.8214

Protanomaly

32.5423, 28.6933, 9.7844

Deuteranomaly

35.2781, 29.1851, 7.2640

Tritanomaly

47.1026, 30.2976, 12.1695

Monochromacy



Original Color

46.4500, 30.3323, 7.8214

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

29.5496, 25.7822, 18.7483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4500, 30.3323, 7.8214 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, 98, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 61)  
}
```

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, 98, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 61) }
```

Border

The CSS property to change the border of an element to XYZ 46.4500, 30.3323, 7.8214 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, 98, 61) }
```


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

```
.border{ border-color:rgb(255, 98, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4500, 30.3323, 7.8214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 61) }
```

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

```
.background{ background-color: rgb(255, 98,  
61) }
```

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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