

Converting Colors

XYZ(76.2953, 46.2516, 9.7025)

Have a look what the booklet for
XYZ(76.2953, 46.2516, 9.7025)
contains.

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Color

**XYZ(46.9168, 31.1329,
8.3870)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6640
RGB	255, 102, 64
RGB Percent	100%, 40%, 25%
CMY	0.0000, 0.6000, 0.7490
CMYK	0.00, 0.60, 0.75, 0.00
HSL	12°, 100%, 63%
HSV	12°, 75%, 100%
XYZ	46.9168, 31.1329, 8.3870
YIQ	143.4150, 103.3860, 20.6180

Conversions

Conversions Part 2

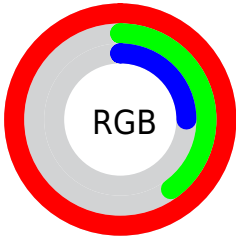
Format	Color
R _Y B	255, 111, 64
Decimal	16737856
CIE Lab	62.62, 56.28, 50.45
CIE LCh	63, 75.582, 41.878
Yxy	31.1329, 0.5428, 0.3602
Android (android.graphics.Color)	4294927936 (0xFFFF6640)
YUV	143.4150, -39.1516, 97.8600
Hunter-Lab	55.7969, 52.4472, 30.1457

Details

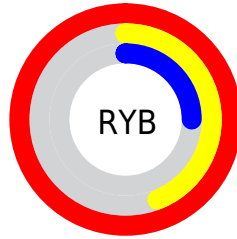
The XYZ color **46.9168, 31.1329, 8.3870** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.9750, 57.9313, 103.4185**, and the grayscale version is **26.3986, 27.7733, 30.2452**.

A 20% lighter version of the original color is **56.5041, 46.9286, 21.9996**, and **22.4728, 12.9122, 1.7598** is the 20% darker color. If you saturate the color by 10%, you get **44.5837, 27.3751, 4.8106**, and if you desaturate by 10%, it is **50.0771, 36.0157, 13.8744**.

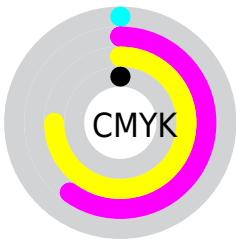
Distribution



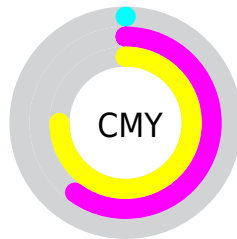
- Red (100%)
- Green (40%)
- Blue (25%)



- Red (100%)
- Yellow (44%)
- Blue (25%)



- Cyan (0%)
- Magenta (60%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9168, 31.1329, 8.3870 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 46.9168, 31.1329, 8.3870 by changing the saturation by 10% instead.


 46.9168, 31.1329,
8.3870


 46.9168, 31.1329,
8.3870


365.1368,
307.1501, 188.7832


 33.1776, 20.7001,
4.2523


 84.8089, 61.4492,
23.2723


 22.4224, 12.9049,
1.7647


 109.6925, 82.1016,
34.8599

 14.2859, 7.3631,
0.4045


 139.0216,
106.9291, 49.7689

 8.4028, 3.6902,
0.0000

 173.1615,
136.3164, 68.4177

 4.4077, 1.5018,
0.0000

 212.4776,
170.6477, 91.2251

 1.9353, 0.2900,
0.0000

 257.3353,

 0.5972, 0.0000,

210.3075, 118.6094

0.0000

308.0999,
255.6802, 150.9893

■ 0.0000, 0.0000,
0.0000

■ 46.9168, 31.1329,
8.3870

■ 46.9168, 31.1329,
8.3870

■ 44.5837, 27.3751,
4.8106

■ 50.0771, 36.0157,
13.8744

■ 42.9896, 24.6434,
2.8717


■ 54.1359, 42.1008,
21.4931


■ 42.4124, 23.6052,
2.3209

■ 59.1585, 49.4643,
31.4348

■ 65.2034, 58.1744,
43.8693

■ 72.3245, 68.2945,
58.9502

 80.5714, 79.8840,
76.8191

 89.9910, 92.9985,
97.6071

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.



53.5032, 31.1329, 23.5154



46.9168, 31.1329, 8.3870



36.1866, 31.1329, 3.5209

Triad

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



46.9168, 31.1329, 8.3870



14.4804, 31.1329, 19.1429



33.8561, 31.1329, 125.1747

Complementary

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



46.9168, 31.1329, 8.3870



44.9750, 57.9313, 103.4185

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.



23.8497, 31.1329, 121.3941



46.9168, 31.1329, 8.3870



14.1365, 31.1329, 46.9604

Square

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



46.9168, 31.1329, 8.3870



18.2440, 31.1329, 6.7807



17.1614, 31.1329, 87.5888



44.8735, 31.1329, 96.0734

Rectangle

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



46.9168, 31.1329, 8.3870



28.9468, 31.1329, 2.9412



17.1614, 31.1329, 87.5888



30.2444, 31.1329, 128.0239

Sweetspot

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



46.9175, 31.1347, 8.3875



74.5995, 71.5035, 63.8417



55.9892, 30.0932, 70.5560



15.5117, 14.6620, 12.6847



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.



46.9175, 31.1347, 8.3875



43.6850, 25.8605, 3.6374



61.5722, 60.4440, 13.2724



18.3020, 18.5722, 18.7645



22.2438, 12.4988, 1.2401



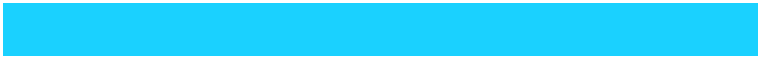
2.2381, 1.3615, 0.1448

Inverse Universe

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



44.9750, 57.9313, 103.4185



41.3449, 53.1962, 102.6965



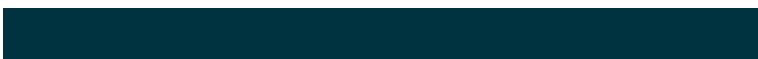
27.4328, 22.8470, 97.5711



18.2297, 19.8311, 23.1169



20.8542, 26.6179, 53.4732



2.1049, 2.7406, 5.2313

Previews

White Background



This preview shows how the XYZ color 46.9168, 31.1329, 8.3870 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 46.9168, 31.1329, 8.3870 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 46.9168, 31.1329, 8.3870

Background



This preview shows how black text looks on a background with the XYZ color 46.9168, 31.1329, 8.3870.



This preview shows how white text looks on a background with the XYZ color 46.9168, 31.1329,

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

46.9168, 31.1329, 8.3870

Protanopia

28.5759, 31.2365, 11.9203

Deuteranopia

31.8743, 31.1600, 7.8246



Tritanopia

48.2005, 31.1832, 16.5752

Trichromacy



Original Color

46.9168, 31.1329, 8.3870

Protanomaly

33.3143, 29.6867, 10.4528

Deuteranomaly

36.3455, 30.3021, 7.9363

Tritanomaly

47.6003, 31.0956, 12.9444

Monochromacy



Original Color

46.9168, 31.1329, 8.3870

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.5236, 26.8436, 19.4922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9168, 31.1329, 8.3870 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 64) }
```

Border

The CSS property to change the border of an element to XYZ 46.9168, 31.1329, 8.3870 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, 64) }
```


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

```
.border{ border-color:rgb(255, 102, 64) }
```

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, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9168, 31.1329, 8.3870 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, 64) }
```

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

```
.background{ background-color: rgb(255,  
102, 64) }
```

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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