

Converting Colors

XYZ(46.6824, 31.1165, 6.9140)

Have a look what the booklet for
XYZ(46.6824, 31.1165, 6.9140)
contains.

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Color

**XYZ(46.7329, 31.2175,
6.9307)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6735
RGB	255, 103, 53
RGB Percent	100%, 40%, 21%
CMY	0.0000, 0.5960, 0.7921
CMYK	0.00, 0.60, 0.79, 0.00
HSL	15°, 100%, 60%
HSV	15°, 79%, 100%
XYZ	46.7329, 31.2175, 6.9307
YIQ	142.7480, 106.6420, 16.6740

Conversions

Conversions Part 2

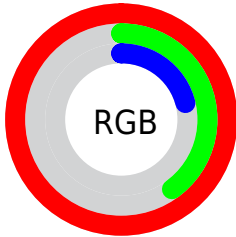
Format	Color
R _Y B	255, 119, 53
Decimal	16738101
CIE Lab	62.69, 55.45, 55.82
CIE LCh	63, 78.681, 45.188
Yxy	31.2175, 0.5506, 0.3678
Android (android.graphics.Color)	4294928181 (0xFFFF6735)
YUV	142.7480, -44.2458, 98.4450
Hunter-Lab	55.8726, 51.5236, 31.7562

Details

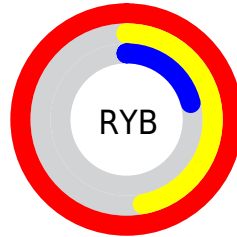
The XYZ color **46.7329, 31.2175, 6.9307** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **41.3477, 51.6358, 102.3947**, and the grayscale version is **26.1502, 27.5120, 29.9606**.

A 20% lighter version of the original color is **56.0863, 47.0355, 18.9547**, and **22.2122, 12.9011, 1.3195** is the 20% darker color. If you saturate the color by 10%, you get **44.6000, 27.6544, 4.0548**, and if you desaturate by 10%, it is **49.6167, 35.7845, 11.5945**.

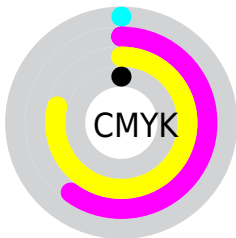
Distribution



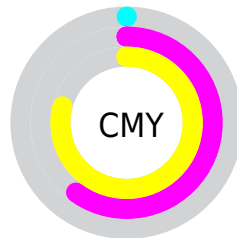
- Red (100%)
- Green (40%)
- Blue (21%)



- Red (100%)
- Yellow (47%)
- Blue (21%)



- Cyan (0%)
- Magenta (60%)
- Yellow (79%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7329, 31.2175, 6.9307 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 46.7329, 31.2175, 6.9307 by changing the saturation by 10% instead.


 46.7329, 31.2175,
6.9307


 46.7329, 31.2175,
6.9307


364.4141,
307.5391, 176.6957

 33.0316, 20.7645,
3.3410


 84.5360, 61.5823,
20.3442

 22.3100, 12.9520,
1.2713


 109.3684, 82.2630,
31.0050


 14.2027, 7.3955,
0.0381


 138.6420,
107.1217, 44.8600

 8.3445, 3.7106,
0.0000

 172.7221,
136.5428, 62.3276

 4.3698, 1.5131,
0.0000

 211.9740,
170.9106, 83.8264

 1.9134, 0.2979,
0.0000

 256.7630,

 0.5846, 0.0000,

210.6097, 109.7750

0.0000

307.4546,
256.0244, 140.5919

■ 0.0000, 0.0000,
0.0000

■ 46.7329, 31.2175,
6.9307

■ 46.7329, 31.2175,
6.9307

■ 44.6000, 27.6544,
4.0548

■ 49.6167, 35.7845,
11.5945

■ 43.1202, 25.0031,
2.6109


■ 53.3201, 41.4224,
18.2823


■ 43.0244, 24.8291,
2.5249

■ 57.9056, 48.1981,
27.1954

■ 63.4287, 56.1712,
38.5102

■ 69.9399, 65.3971,
52.3852

 77.4862, 75.9274,
68.9651

 86.1111, 87.8110,
88.3840

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.



54.3928, 31.2175, 20.7319



46.7329, 31.2175, 6.9307



35.2692, 31.2175, 2.8824

Triad

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



46.7329, 31.2175, 6.9307



13.8509, 31.2175, 21.0034



35.4166, 31.2175, 128.9610

Complementary

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



46.7329, 31.2175, 6.9307



41.3477, 51.6358, 102.3947

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.



24.6995, 31.2175, 129.2061



46.7329, 31.2175, 6.9307



13.8721, 31.2175, 51.9573

Square

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



46.7329, 31.2175, 6.9307



17.3010, 31.2175, 7.0264



17.3681, 31.2175, 95.5710



46.8631, 31.2175, 95.0240

Rectangle

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



46.7329, 31.2175, 6.9307



27.8429, 31.2175, 2.5626



17.3681, 31.2175, 95.5710



31.5781, 31.2175, 133.4475

Sweetspot

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



46.7336, 31.2193, 6.9312



73.7436, 70.7229, 60.6854



53.8817, 28.3538, 62.2215



15.2214, 14.3505, 11.7581



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.



46.7336, 31.2193, 6.9312



43.6754, 26.0171, 3.0922



62.8002, 63.3525, 12.2867



18.3746, 18.7174, 18.7887



22.5792, 13.1697, 1.3519



2.2802, 1.4458, 0.1589

Inverse Universe

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



41.3477, 51.6358, 102.3947



37.7337, 46.3463, 101.5647



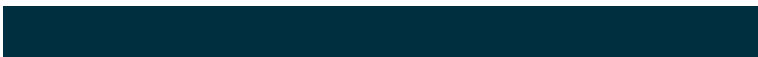
24.7622, 18.4648, 96.8662



18.1516, 19.6749, 23.0909



19.3902, 23.6899, 52.9852



1.9740, 2.4786, 5.1877

Previews

White Background



This preview shows how the XYZ color 46.7329, 31.2175, 6.9307 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 46.7329, 31.2175, 6.9307 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 46.7329, 31.2175, 6.9307

Background



This preview shows how black text looks on a background with the XYZ color 46.7329, 31.2175, 6.9307.



This preview shows how white text looks on a background with the XYZ color 46.7329, 31.2175,

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

46.7329, 31.2175, 6.9307

Protanopia

28.6035, 31.2967, 9.8435

Deuteranopia

31.8594, 31.1830, 6.4376



Tritanopia

48.2516, 31.2036, 16.8444

Trichromacy



Original Color

46.7329, 31.2175, 6.9307

Protanomaly

33.2140, 29.6774, 8.5352

Deuteranomaly

36.0555, 30.1861, 6.4088

Tritanomaly

47.4769, 31.0462, 12.2943

Monochromacy



Original Color

46.7329, 31.2175, 6.9307

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

30.3008, 26.7545, 18.3190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7329, 31.2175, 6.9307 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, 103, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 53)  
}
```

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, 103, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 53) }
```

Border

The CSS property to change the border of an element to XYZ 46.7329, 31.2175, 6.9307 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, 103, 53) }
```


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

```
.border{ border-color:rgb(255, 103, 53) }
```

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

Here you see how a box with a 4 pixel rgb(255, 103, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7329, 31.2175, 6.9307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 53) }
```

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

```
.background{ background-color: rgb(255,  
103, 53) }
```

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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