

Converting Colors

XYZ(47.1452, 31.9491, 7.3572)

Have a look what the booklet for
XYZ(47.1452, 31.9491, 7.3572)
contains.

XYZ(47.0836, 31.8439, 7.2793)	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(47.0836, 31.8439,
7.2793)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6A37
RGB	255, 106, 55
RGB Percent	100%, 42%, 22%
CMY	0.0000, 0.5843, 0.7843
CMYK	0.00, 0.58, 0.78, 0.00
HSL	15°, 100%, 61%
HSV	15°, 78%, 100%
XYZ	47.0836, 31.8439, 7.2793
YIQ	144.7370, 105.1750, 15.7270

Conversions

Conversions Part 2

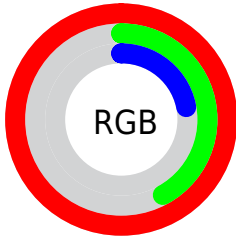
Format	Color
R_{YB}	255, 123, 55
Decimal	16738871
CIE _{Lab}	63.21, 54.18, 55.40
CIE _{LCh}	63, 77.495, 45.638
Yxy	31.8439, 0.5462, 0.3694
Android (android.graphics.Color)	4294928951 (0xFFFF6A37)
YUV	144.7370, -44.2403, 96.7007
Hunter-Lab	56.4304, 50.1811, 31.8531

Details

The XYZ color **47.0836, 31.8439, 7.2793** 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 **41.2162, 51.2137, 102.3199**, and the grayscale version is **26.9521, 28.3557, 30.8793**.

A 20% lighter version of the original color is **56.5347, 47.7697, 19.6054**, and **22.6265, 13.3576, 1.3857** is the 20% darker color. If you saturate the color by 10%, you get **44.8770, 28.1696, 4.2672**, and if you desaturate by 10%, it is **50.0406, 36.5152, 12.0976**.

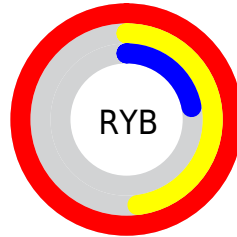
Distribution



Red (100%)

Green (42%)

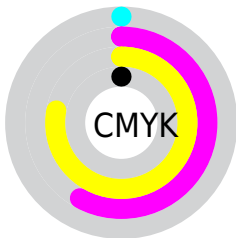
Blue (22%)



Red (100%)

Yellow (48%)

Blue (22%)

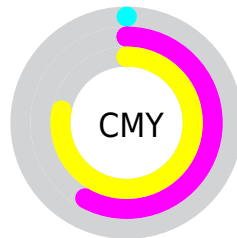


Cyan (0%)

Magenta (58%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0836, 31.8439, 7.2793 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 47.0836, 31.8439, 7.2793 by changing the saturation by 10% instead.


 47.0836, 31.8439,
7.2793


 47.0836, 31.8439,
7.2793


365.7915,
310.4076, 179.6828

 33.3100, 21.2423,
3.5563


 85.0564, 62.5663,
21.0553

 22.5244, 13.3012,
1.3852


 109.9862, 83.4559,
31.9454

 14.3615, 7.6363,
0.1302


 139.3656,
108.5436, 46.0615

 8.4559, 3.8631,
0.0000

 173.5597,
138.2138, 63.8223

 4.4423, 1.5973,
0.0000

 212.9340,
172.8509, 85.6463

 1.9553, 0.3558,
0.0000

 257.8538,

 0.6086, 0.0000,

212.8393, 111.9520

0.0000

308.6845,
258.5634, 143.1580

■ 0.0000, 0.0000,
0.0000

■ 47.0836, 31.8439,
7.2793

■ 47.0836, 31.8439,
7.2793

■ 44.8770, 28.1696,
4.2672

■ 50.0406, 36.5152,
12.0976

■ 43.3297, 25.4049,
2.7348

■ 53.8148, 42.2476,
18.9543

■ 43.1320, 25.0445,
2.5608

■ 58.4674, 49.1060,
28.0481

■ 64.0524, 57.1480,
39.5535

■ 70.6196, 66.4271,
53.6275

■ 78.2149, 76.9938,
70.4140

■ 86.8811, 88.8952,
90.0458

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.



54.7659, 31.8439, 21.0726



47.0836, 31.8439, 7.2793



35.6719, 31.8439, 3.1663

Triad

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



47.0836, 31.8439, 7.2793



14.3702, 31.8439, 21.9961



36.1685, 31.8439, 128.2215

Complementary

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



47.0836, 31.8439, 7.2793



41.2162, 51.2137, 102.3199

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.



25.4370, 31.8439, 129.0361



47.0836, 31.8439, 7.2793



14.4426, 31.8439, 53.1390

Square

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



47.0836, 31.8439, 7.2793



17.7945, 31.8439, 7.6123



18.0231, 31.8439, 96.3003



47.5203, 31.8439, 94.4769

Rectangle

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



47.0836, 31.8439, 7.2793



28.2870, 31.8439, 2.8605



18.0231, 31.8439, 96.3003



32.3366, 31.8439, 132.8168

Sweetspot

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



47.0843, 31.8457, 7.2798



73.8560, 70.9478, 60.7229



53.6253, 28.4001, 60.4128



15.2478, 14.4034, 11.7669



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.



47.0843, 31.8457, 7.2798



43.9428, 26.5242, 3.2669



63.7605, 65.1982, 12.8386



18.3858, 18.7399, 18.7924



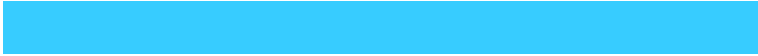
22.6378, 13.2868, 1.3715



2.2873, 1.4599, 0.1612

Inverse Universe

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



41.2162, 51.2137, 102.3199



37.5139, 45.8481, 101.4801



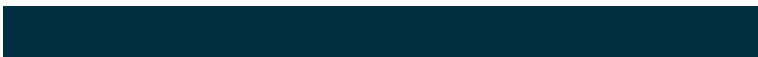
24.6771, 18.1355, 96.8069



18.1396, 19.6509, 23.0869



19.1750, 23.2597, 52.9135



1.9546, 2.4398, 5.1812

Previews

White Background



This preview shows how the XYZ color 47.0836, 31.8439, 7.2793 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 47.0836, 31.8439, 7.2793 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 47.0836, 31.8439, 7.2793

Background



This preview shows how black text looks on a background with the XYZ color 47.0836, 31.8439, 7.2793.



This preview shows how white text looks on a background with the XYZ color 47.0836, 31.8439,

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

47.0836, 31.8439, 7.2793

Protanopia

29.1766, 32.0746, 10.1221

Deuteranopia

32.4532, 31.9387, 6.7398



Tritanopia

48.6981, 31.8455, 17.7675

Trichromacy



Original Color

47.0836, 31.8439, 7.2793

Protanomaly

33.9303, 30.6677, 8.8338

Deuteranomaly

36.6537, 30.8849, 6.7188

Tritanomaly

47.8934, 31.6818, 13.0421

Monochromacy



Original Color

47.0836, 31.8439, 7.2793

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.0485, 27.7167, 19.0427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0836, 31.8439, 7.2793 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, 106, 55)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 55)  
}
```

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, 106, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 55) }
```

Border

The CSS property to change the border of an element to XYZ 47.0836, 31.8439, 7.2793 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, 106, 55) }
```


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

```
.border{ border-color:rgb(255, 106, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0836, 31.8439, 7.2793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 55) }
```

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

```
.background{ background-color: rgb(255,  
106, 55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor