

Converting Colors

XYZ(47.1874, 31.5674, 8.8070)

Have a look what the booklet for
XYZ(47.1874, 31.5674, 8.8070)
contains.

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Color

**XYZ(47.1737, 31.5540,
8.7585)**

Conversions

Conversions Part 1

Format	Color
Hex	FF6842
RGB	255, 104, 66
RGB Percent	100%, 41%, 26%
CMY	0.0000, 0.5921, 0.7412
CMYK	0.00, 0.59, 0.74, 0.00
HSL	12°, 100%, 63%
HSV	12°, 74%, 100%
XYZ	47.1737, 31.5540, 8.7585
YIQ	144.8170, 102.1940, 20.1940

Conversions

Conversions Part 2

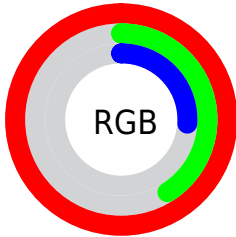
Format	Color
R _Y B	255, 114, 66
Decimal	16738370
CIE Lab	62.97, 55.48, 49.82
CIE LCh	63, 74.565, 41.928
Yxy	31.5540, 0.5392, 0.3607
Android (android.graphics.Color)	4294928450 (0xFFFF6842)
YUV	144.8170, -38.8568, 96.6305
Hunter-Lab	56.1729, 51.6006, 30.0766

Details

The XYZ color **47.1737, 31.5540, 8.7585** 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 **45.1073, 57.9994, 103.4247**, and the grayscale version is **26.9643, 28.3686, 30.8934**.

A 20% lighter version of the original color is **56.9632, 47.6626, 22.7205**, and **22.6116, 13.1531, 1.9193** is the 20% darker color. If you saturate the color by 10%, you get **44.7736, 27.7011, 5.0395**, and if you desaturate by 10%, it is **50.4053, 36.5350, 14.4066**.

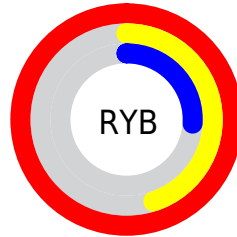
Distribution



Red (100%)

Green (41%)

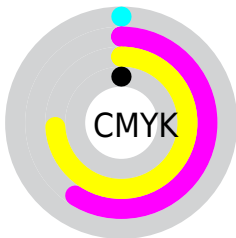
Blue (26%)



Red (100%)

Yellow (45%)

Blue (26%)

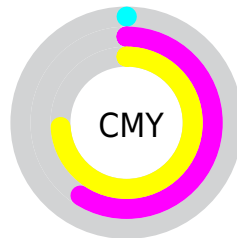


Cyan (0%)

Magenta (59%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (59%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1737, 31.5540, 8.7585 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 47.1737, 31.5540, 8.7585 by changing the saturation by 10% instead.


 47.1737, 31.5540,
8.7585

 47.1737, 31.5540,
8.7585

366.1448,
309.0825, 191.7172


 33.3815, 21.0211,
4.4893


 85.1900, 62.1112,
24.0028

 22.5795, 13.1394,
1.8975


 110.1448, 82.9043,
35.8150


 14.4023, 7.5246,
0.4911


 139.5513,
107.8863, 50.9786

 8.4846, 3.7923,
0.0000

 173.7747,
137.4415, 69.9122

 4.4609, 1.5581,
0.0000

 213.1803,
171.9543, 93.0344

 1.9661, 0.3291,
0.0000

258.1337,

 0.6148, 0.0000,

211.8092, 120.7635

0.0000

309.0000,
257.3904, 153.5183

■ 0.0000, 0.0000,
0.0000

■ 47.1737, 31.5540,
8.7585

■ 47.1737, 31.5540,
8.7585

■ 44.7736, 27.7011,
5.0395

■ 50.4053, 36.5350,
14.4066

■ 43.1182, 24.8789,
2.9815

■ 54.5384, 42.7197,
22.2013

■ 42.4359, 23.6521,
2.3287

■ 59.6376, 50.1833,
32.3321

■ 65.7608, 58.9932,
44.9673

■ 72.9611, 69.2119,
60.2595

81.2878, 80.8980,
78.3492

90.7874, 94.1066,
99.3668

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.



53.7026, 31.5540, 23.9612



47.1737, 31.5540, 8.7585



36.5298, 31.5540, 3.7850

Triad

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



47.1737, 31.5540, 8.7585



14.8855, 31.5540, 19.6534



34.2519, 31.5540, 124.4586

Complementary

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



47.1737, 31.5540, 8.7585



45.1073, 57.9994, 103.4247

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.



24.2833, 31.5540, 120.8021



47.1737, 31.5540, 8.7585



14.5454, 31.5540, 47.3938

Square

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



47.1737, 31.5540, 8.7585



18.6552, 31.5540, 7.1489



17.5879, 31.5540, 87.5585



45.1823, 31.5540, 95.7841

Rectangle

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



47.1737, 31.5540, 8.7585



29.3328, 31.5540, 3.1870



17.5879, 31.5540, 87.5585



30.6592, 31.5540, 127.2791

Sweetspot

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



47.1744, 31.5558, 8.7590



74.6287, 71.5619, 63.8515



55.7384, 30.1766, 68.6688



15.5185, 14.6755, 12.6870



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.



47.1744, 31.5558, 8.7590



43.8784, 26.2004, 3.8463



62.4858, 62.1786, 13.8628



18.3051, 18.5785, 18.7655



22.2567, 12.5247, 1.2444



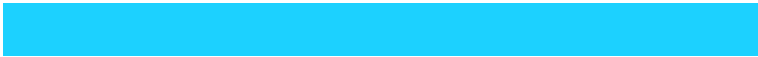
2.2398, 1.3649, 0.1454

Inverse Universe

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



45.1073, 57.9994, 103.4247



41.4191, 53.2452, 102.7021



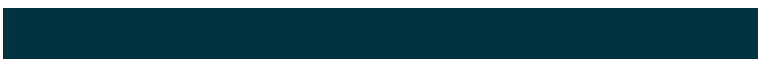
27.3427, 22.4701, 97.5031



18.2263, 19.8243, 23.1158



20.7882, 26.4861, 53.4513



2.0991, 2.7288, 5.2294

Previews

White Background



This preview shows how the XYZ color 47.1737, 31.5540, 8.7585 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 47.1737, 31.5540, 8.7585 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 47.1737, 31.5540, 8.7585

Background



This preview shows how black text looks on a background with the XYZ color 47.1737, 31.5540, 8.7585.



This preview shows how white text looks on a background with the XYZ color 47.1737, 31.5540,

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

47.1737, 31.5540, 8.7585

Protanopia

29.0249, 31.7014, 12.3738

Deuteranopia

32.3251, 31.6127, 8.1395



Tritanopia

48.5475, 31.6289, 17.4562

Trichromacy



Original Color

47.1737, 31.5540, 8.7585

Protanomaly

33.7879, 30.1291, 10.8722

Deuteranomaly

36.5298, 30.5876, 8.2536

Tritanomaly

47.9231, 31.5354, 13.6863

Monochromacy



Original Color

47.1737, 31.5540, 8.7585

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

31.1426, 27.5405, 20.1975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1737, 31.5540, 8.7585 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, 104, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 104, 66)  
}
```

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, 104, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 104, 66) }
```

Border

The CSS property to change the border of an element to XYZ 47.1737, 31.5540, 8.7585 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, 104, 66) }
```


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

```
.border{ border-color:rgb(255, 104, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 104, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 104, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 104, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 104,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1737, 31.5540, 8.7585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 104, 66) }
```

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

```
.background{ background-color: rgb(255,  
104, 66) }
```

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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