

Converting Colors

XYZ(55.9914, 48.0080, 15.3396)

Have a look what the booklet for
XYZ(55.9914, 48.0080, 15.3396)
contains.

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Color

**XYZ(56.0575, 48.1425,
15.3547)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA357
RGB	255, 163, 87
RGB Percent	100%, 64%, 34%
CMY	0.0000, 0.3608, 0.6588
CMYK	0.00, 0.36, 0.66, 0.00
HSL	27°, 100%, 67%
HSV	27°, 66%, 100%
XYZ	56.0575, 48.1425, 15.3547
YIQ	181.8440, 79.2280, -4.1320

Conversions

Conversions Part 2

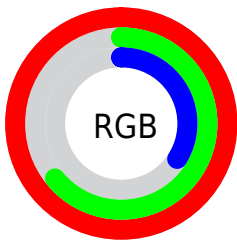
Format	Color
R _Y B	255, 226, 87
Decimal	16753495
CIE Lab	74.91, 27.44, 52.65
CIE LCh	75, 59.368, 62.475
Yxy	48.1425, 0.4689, 0.4027
Android (android.graphics.Color)	4294943575 (0xFFFFA357)
YUV	181.8440, -46.7581, 64.1578
Hunter-Lab	69.3848, 22.7907, 35.4486

Details

The XYZ color **56.0575, 48.1425, 15.3547** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **38.0996, 41.4843, 100.6064**, and the grayscale version is **44.5959, 46.9184, 51.0941**.

A 20% lighter version of the original color is **70.9716, 73.2669, 34.8274**, and **28.2510, 22.9656, 4.6129** is the 20% darker color. If you saturate the color by 10%, you get **52.8501, 43.1110, 10.0219**, and if you desaturate by 10%, it is **59.9087, 53.8736, 22.7173**.

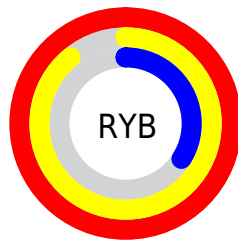
Distribution



Red (100%)

Green (64%)

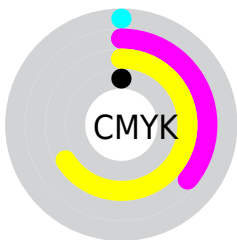
Blue (34%)



Red (100%)

Yellow (89%)

Blue (34%)

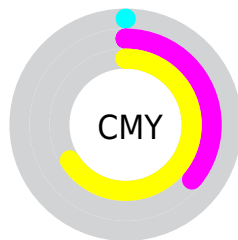


Cyan (0%)

Magenta (36%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0575, 48.1425, 15.3547 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 56.0575, 48.1425, 15.3547 by changing the saturation by 10% instead.


 56.0575, 48.1425,
15.3547


 56.0575, 48.1425,
15.3547


399.9797,
379.3567, 237.2175

 40.4862, 33.9397,
8.9193


 98.2280, 87.4165,
36.2253

 28.1037, 22.8473,
4.5925


 125.5579,
113.2566, 51.4976


 18.5447, 14.4808,
1.9557


 157.5380,
143.7446, 70.5526

 11.4438, 8.4558,
0.5278

 194.5337,
179.2648, 93.8089

 6.4357, 4.3880,
0.0000

 236.9104,
220.2018, 121.6850

 3.1549, 1.8929,
0.0000

285.0334,

 1.2362, 0.5441,

266.9398, 154.5994

0.0000

339.2680,
319.8633, 192.9707

■ 0.1347, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0575, 48.1425,
15.3547

■ 56.0575, 48.1425,
15.3547

■ 52.8501, 43.1110,
10.0219

■ 59.9087, 53.8736,
22.7173

■ 50.2335, 38.7377,
6.4988

■ 64.4437, 60.3276,
32.2934

■ 48.1490, 34.9862,
4.5170

■ 69.7024, 67.5357,
44.2486

■ 47.4124, 33.6051,
3.9875

■ 75.7204, 75.5243,
58.7320

82.5306, 84.3187,
75.8802

90.1639, 93.9426,
95.8201

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.



65.6405, 48.1425, 26.5019



56.0575, 48.1425, 15.3547



44.8658, 48.1425, 12.5905

Triad

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



56.0575, 48.1425, 15.3547



27.9668, 48.1425, 55.0332



57.8573, 48.1425, 120.4301

Complementary

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



56.0575, 48.1425, 15.3547



38.0996, 41.4843, 100.6064

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.



46.6619, 48.1425, 137.2795



56.0575, 48.1425, 15.3547



30.3602, 48.1425, 91.3428

Square

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



56.0575, 48.1425, 15.3547



29.6821, 48.1425, 29.4307



36.8043, 48.1425, 124.9639



66.7894, 48.1425, 85.0427

Rectangle

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



56.0575, 48.1425, 15.3547



38.2594, 48.1425, 14.3971



36.8043, 48.1425, 124.9639



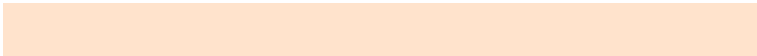
54.1775, 48.1425, 128.9638

Sweetspot

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



56.0586, 48.1450, 15.3556



79.6282, 80.5979, 68.4868



52.8254, 31.3475, 46.1271



16.6366, 16.7248, 13.6362



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.



56.0586, 48.1450, 15.3556



51.9734, 41.6782, 8.7403



76.0986, 88.2249, 22.0356



18.6862, 19.3405, 18.8926



24.9186, 17.8485, 2.1318



2.5336, 1.9526, 0.2434

Inverse Universe

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



38.0996, 41.4843, 100.6064



32.7978, 34.4929, 99.5369



26.1091, 17.5033, 96.6096



17.8275, 19.0265, 22.9828



14.4551, 13.8198, 51.3402



1.5167, 1.5640, 5.0352

Previews

White Background



This preview shows how the XYZ color 56.0575, 48.1425, 15.3547 looks on a white background.

Color Contrast Check

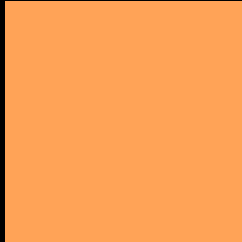
Large Text (above 18pt) WCAG AA × Fail

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 56.0575, 48.1425, 15.3547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

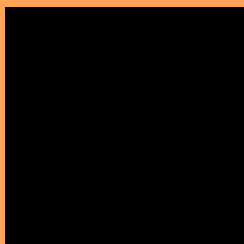
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.0575, 48.1425, 15.3547

Background



This preview shows how black text looks on a background with the XYZ color 56.0575, 48.1425, 15.3547.



This preview shows how white text looks on a background with the XYZ color 56.0575, 48.1425,

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

56.0575, 48.1425, 15.3547

Protanopia

44.2712, 48.3434, 17.5876

Deuteranopia

49.4387, 48.3488, 15.1141



Tritanopia

60.2720, 48.1640, 42.6791

Trichromacy



Original Color

56.0575, 48.1425, 15.3547

Protanomaly

48.0419, 47.8876, 16.6087

Deuteranomaly

51.4625, 47.9588, 15.1389

Tritanomaly

58.2256, 47.8913, 30.2199

Monochromacy



Original Color

56.0575, 48.1425, 15.3547

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

46.8909, 46.3218, 34.0734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0575, 48.1425, 15.3547 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, 163, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 87)  
}
```

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, 163, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 87) }
```

Border

The CSS property to change the border of an element to XYZ 56.0575, 48.1425, 15.3547 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, 163, 87) }
```


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

```
.border{ border-color:rgb(255, 163, 87) }
```

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

Here you see how a box with a 4 pixel rgb(255, 163, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0575, 48.1425, 15.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 87) }
```

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

```
.background{ background-color: rgb(255,  
163, 87) }
```

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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