

Converting Colors

XYZ(96.8904, 70.4153, 17.7056)

Have a look what the booklet for
XYZ(96.8904, 70.4153, 17.7056)
contains.

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Color

**XYZ(57.0041, 49.9698,
15.8732)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA858
RGB	255, 168, 88
RGB Percent	100%, 66%, 35%
CMY	0.0000, 0.3411, 0.6549
CMYK	0.00, 0.34, 0.65, 0.00
HSL	29°, 100%, 67%
HSV	29°, 65%, 100%
XYZ	57.0041, 49.9698, 15.8732
YIQ	184.8930, 77.5320, -6.4360

Conversions

Conversions Part 2

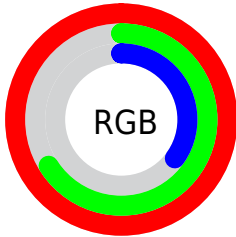
Format	Color
R_{YB}	255, 242, 88
Decimal	16754776
CIE _{Lab}	76.05, 24.89, 53.45
CIE _{LCh}	76, 58.958, 65.032
Yxy	49.9698, 0.4640, 0.4068
Android (android.graphics.Color)	4294944856 (0xFFFFA858)
YUV	184.8930, -47.7682, 61.4838
Hunter-Lab	70.6893, 20.2367, 36.1690

Details

The XYZ color **57.0041, 49.9698, 15.8732** 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 **37.4036, 39.9527, 100.3476**, and the grayscale version is **46.2828, 48.6931, 53.0268**.

A 20% lighter version of the original color is **72.3613, 75.9288, 35.6528**, and **28.8275, 24.0937, 4.8814** is the 20% darker color. If you saturate the color by 10%, you get **53.7985, 44.9640, 10.4735**, and if you desaturate by 10%, it is **60.8318, 55.6295, 23.3028**.

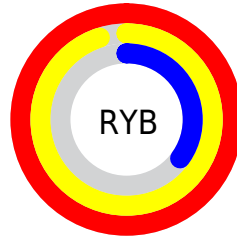
Distribution



Red (100%)

Green (66%)

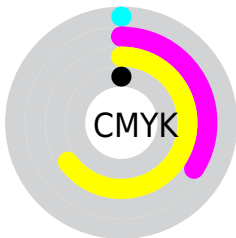
Blue (35%)



Red (100%)

Yellow (95%)

Blue (35%)

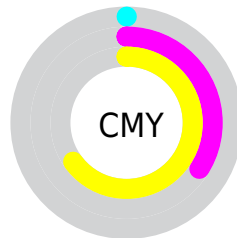


Cyan (0%)

Magenta (34%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.0041, 49.9698, 15.8732 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 57.0041, 49.9698, 15.8732 by changing the saturation by 10% instead.


 57.0041, 49.9698,
15.8732


 57.0041, 49.9698,
15.8732


403.4786,
386.5478, 240.4124


 41.2487, 35.3894,
9.2811

 99.6025, 90.1301,
37.1417

 28.7020, 23.9630,
4.8257


 127.1762,
116.4789, 52.6551

 18.9986, 15.3062,
2.0884


 159.4200,
147.5191, 71.9794

 11.7733, 9.0345,
0.6088

 196.6993,
183.6354, 95.5330

 6.6606, 4.7637,
0.0000

239.3795,
225.2120, 123.7346

 3.2952, 2.1093,
0.0000

287.8258,

 1.3117, 0.6699,

272.6333, 157.0027

0.0000

342.4038,
326.2838, 195.7558

■ 0.1920, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.0041, 49.9698,
15.8732

■ 57.0041, 49.9698,
15.8732

■ 53.7985, 44.9640,
10.4735

■ 60.8318, 55.6295,
23.3028

■ 51.1636, 40.5732,
6.8853

■ 65.3199, 61.9636,
32.9444

■ 49.0428, 36.7644,
4.8435

■ 70.5072, 69.0007,
44.9625

■ 48.2196, 35.2194,
4.2566

■ 76.4280, 76.7650,
59.5053

83.1140, 85.2796,
76.7088

90.5949, 94.5662,
96.6989

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.



67.0263, 49.9698, 26.4963



57.0041, 49.9698, 15.8732



45.6618, 49.9698, 13.6013

Triad

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



57.0041, 49.9698, 15.8732



29.3719, 49.9698, 59.9025



60.7146, 49.9698, 120.6933

Complementary

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



57.0041, 49.9698, 15.8732



37.4036, 39.9527, 100.3476

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.



49.3762, 49.9698, 139.9200



57.0041, 49.9698, 15.8732



32.1821, 49.9698, 97.1660

Square

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



57.0041, 49.9698, 15.8732



30.7706, 49.9698, 32.6173



39.1066, 49.9698, 129.9678



69.3901, 49.9698, 84.2269

Rectangle

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



57.0041, 49.9698, 15.8732



39.0877, 49.9698, 15.8859



39.1066, 49.9698, 129.9678



57.0285, 49.9698, 129.9163

Sweetspot

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



57.0053, 49.9723, 15.8741



80.0017, 81.3450, 68.6113



52.6723, 31.4167, 44.9181



16.7258, 16.9031, 13.6659



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.



57.0053, 49.9723, 15.8741



52.8113, 43.3540, 9.0196



77.0110, 89.9838, 22.5427



18.7274, 19.4229, 18.9063



25.3434, 18.6980, 2.2733



2.5762, 2.0378, 0.2576

Inverse Universe

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



37.4036, 39.9527, 100.3476



31.8579, 32.6130, 99.2236



26.0391, 17.2237, 96.5594



17.7859, 18.9434, 22.9690



13.9529, 12.8154, 51.1728



1.4680, 1.4667, 5.0190

Previews

White Background



This preview shows how the XYZ color 57.0041, 49.9698, 15.8732 looks on a white background.

Color Contrast Check

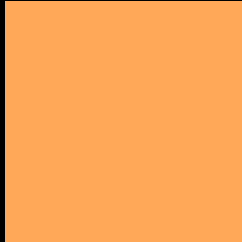
Large Text (above 18pt) WCAG AA × Fail

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 57.0041, 49.9698, 15.8732 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 57.0041, 49.9698, 15.8732

Background



This preview shows how black text looks on a background with the XYZ color 57.0041, 49.9698, 15.8732.



This preview shows how white text looks on a background with the XYZ color 57.0041, 49.9698,

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

57.0041, 49.9698, 15.8732

Protanopia

46.0160, 50.1845, 17.8509

Deuteranopia

51.0385, 50.0519, 15.5653



Tritanopia

61.6067, 50.0792, 45.4490

Trichromacy



Original Color

57.0041, 49.9698, 15.8732

Protanomaly

49.5070, 49.8280, 17.1337

Deuteranomaly

52.9449, 49.8571, 15.6370

Tritanomaly

59.3232, 49.7340, 31.6723

Monochromacy



Original Color

57.0041, 49.9698, 15.8732

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.2035, 48.1438, 35.6063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.0041, 49.9698, 15.8732 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, 168, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 88)  
}
```

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, 168, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 88) }
```

Border

The CSS property to change the border of an element to XYZ 57.0041, 49.9698, 15.8732 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, 168, 88) }
```


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

```
.border{ border-color:rgb(255, 168, 88) }
```

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

Here you see how a box with a 4 pixel rgb(255, 168, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 57.0041, 49.9698, 15.8732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 168, 88) }
```

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

```
.background{ background-color: rgb(255,  
168, 88) }
```

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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