

Converting Colors

XYZ(115.5947, 80.0160,
19.6267)

Have a look what the booklet for
XYZ(115.5947, 80.0160, 19.6267)
contains.

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Color

**XYZ(57.2184, 50.0556,
17.0019)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA85D
RGB	255, 168, 93
RGB Percent	100%, 66%, 36%
CMY	0.0000, 0.3411, 0.6353
CMYK	0.00, 0.34, 0.64, 0.00
HSL	28°, 100%, 68%
HSV	28°, 64%, 100%
XYZ	57.2184, 50.0556, 17.0019
YIQ	185.4630, 75.9270, -4.8810

Conversions

Conversions Part 2

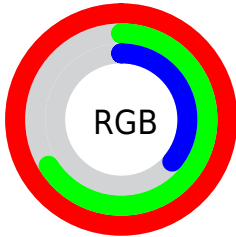
Format	Color
RYB	255, 233, 93
Decimal	16754781
CIELab	76.10, 25.19, 51.10
CIELCh	76, 56.971, 63.761
Yxy	50.0556, 0.4604, 0.4028
Android (android.graphics.Color)	4294944861 (0xFFFFA85D)
YUV	185.4630, -45.5843, 60.9839
Hunter-Lab	70.7500, 20.5478, 35.2770

Details

The XYZ color **57.2184, 50.0556, 17.0019** 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 **38.8844, 42.1875, 100.7007**, and the grayscale version is **46.5900, 49.0163, 53.3787**.

A 20% lighter version of the original color is **72.7385, 76.0797, 37.6392**, and **28.9114, 24.1273, 5.3237** is the 20% darker color. If you saturate the color by 10%, you get **53.8754, 44.8861, 11.2139**, and if you desaturate by 10%, it is **61.2064, 55.9132, 24.8628**.

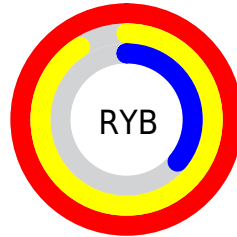
Distribution



Red (100%)

Green (66%)

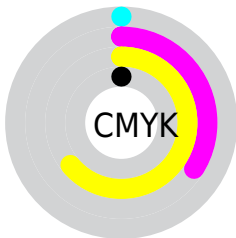
Blue (36%)



Red (100%)

Yellow (91%)

Blue (36%)

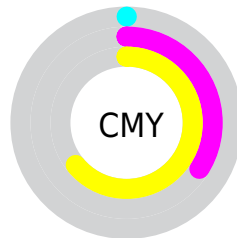


Cyan (0%)

Magenta (34%)

Yellow (64%)

Black (0%)



Cyan (0%)

Magenta (34%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.2184, 50.0556, 17.0019 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 57.2184, 50.0556, 17.0019 by changing the saturation by 10% instead.

57.2184, 50.0556,
17.0019

57.2184, 50.0556,
17.0019

404.2681,
386.8833, 247.2277

41.4214, 35.4576,
10.0739

99.9133, 90.2573,
39.1197

28.8377, 24.0156,
5.3417

127.5420,
116.6297, 55.1466

19.1017, 15.3452,
2.3869

159.8452,
147.6957, 75.0436

11.8482, 9.0620,
0.7793

197.1885,
183.8397, 99.2291

6.7119, 4.7816,
0.0000

239.9370,
225.4460, 128.1217

3.3273, 2.1197,
0.0000

288.4562,

1.3291, 0.6757,

272.8992, 162.1400

0.0000

343.1115,
326.5835, 201.7024

■ 0.2049, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2184, 50.0556,
17.0019

■ 57.2184, 50.0556,
17.0019

■ 53.8754, 44.8861,
11.2139

■ 61.2064, 55.9132,
24.8628

■ 51.1267, 40.3650,
7.2873


■ 65.8774, 62.4806,
34.9742


■ 48.9170, 36.4587,
4.9692

■ 71.2703, 69.7872,
47.4976

■ 47.7258, 34.2321,
4.0920

■ 77.4194, 77.8584,
62.5787

 84.3568, 86.7182,
80.3514

 92.1123, 96.3892,
100.9404

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.



66.7167, 50.0556, 27.9704



57.2184, 50.0556, 17.0019



46.2453, 50.0556, 14.4226

Triad

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



57.2184, 50.0556, 17.0019



29.9252, 50.0556, 58.4415



59.8910, 50.0556, 119.2604

Complementary

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



57.2184, 50.0556, 17.0019



38.8844, 42.1875, 100.7007

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.



48.9327, 50.0556, 136.4898



57.2184, 50.0556, 17.0019



32.4990, 50.0556, 94.0327

Square

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



57.2184, 50.0556, 17.0019



31.4679, 50.0556, 32.4640



39.0833, 50.0556, 125.8648



68.4143, 50.0556, 84.7669

Rectangle

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



57.2184, 50.0556, 17.0019



39.7915, 50.0556, 16.5137



39.0833, 50.0556, 125.8648



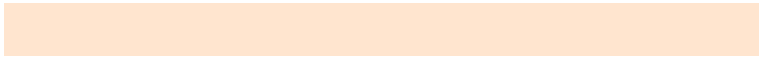
56.3156, 50.0556, 127.7465

Sweetspot

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



57.2196, 50.0581, 17.0028



80.4620, 81.7719, 70.2862



53.6082, 32.4705, 47.7525



16.8068, 16.9695, 13.9883



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.



57.2196, 50.0581, 17.0028



53.1430, 43.7097, 10.0791



76.4456, 88.5102, 23.4115



18.7025, 19.3732, 18.8980



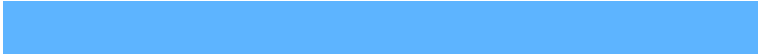
25.0838, 18.1788, 2.1868



2.5503, 1.9859, 0.2489

Inverse Universe

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



38.8844, 42.1875, 100.7007



33.4907, 35.2263, 99.6419



27.2279, 18.8744, 96.8152



17.8110, 18.9935, 22.9773



14.2521, 13.4137, 51.2725



1.4970, 1.5248, 5.0287

Previews

White Background



This preview shows how the XYZ color 57.2184, 50.0556, 17.0019 looks on a white background.

Color Contrast Check

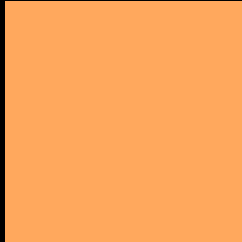
Large Text (above 18pt) WCAG AA × Fail

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 57.2184, 50.0556, 17.0019 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 57.2184, 50.0556, 17.0019

Background



This preview shows how black text looks on a background with the XYZ color 57.2184, 50.0556, 17.0019.



This preview shows how white text looks on a background with the XYZ color 57.2184, 50.0556,

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

57.2184, 50.0556, 17.0019

Protanopia

46.0156, 50.1519, 19.3116

Deuteranopia

51.2443, 50.1342, 16.6489



Tritanopia

61.6067, 50.0792, 45.4490

Trichromacy



Original Color

57.2184, 50.0556, 17.0019

Protanomaly

49.4220, 49.7581, 18.3087

Deuteranomaly

53.1535, 49.9405, 16.7355

Tritanomaly

59.4734, 49.7941, 32.4632

Monochromacy



Original Color

57.2184, 50.0556, 17.0019

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

48.3659, 48.2088, 36.4618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2184, 50.0556, 17.0019 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 168, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 168, 93) }
```

Border

The CSS property to change the border of an element to XYZ 57.2184, 50.0556, 17.0019 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, 93) }
```


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

```
.border{ border-color:rgb(255, 168, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 168, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 168, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 168,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2184, 50.0556, 17.0019 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, 93) }
```

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

```
.background{ background-color: rgb(255,  
168, 93) }
```

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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