

Converting Colors

XYZ(65.2396, 52.8914, 19.5571)

Have a look what the booklet for
XYZ(65.2396, 52.8914, 19.5571)
contains.

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Color

**XYZ(56.7854, 48.4337,
19.1877)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA367
RGB	255, 163, 103
RGB Percent	100%, 64%, 40%
CMY	0.0000, 0.3608, 0.5961
CMYK	0.00, 0.36, 0.60, 0.00
HSL	24°, 100%, 70%
HSV	24°, 60%, 100%
XYZ	56.7854, 48.4337, 19.1877
YIQ	183.6680, 74.0920, 0.8440

Conversions

Conversions Part 2

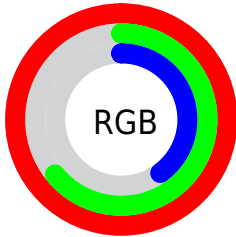
Format	Color
R _Y B	255, 202, 103
Decimal	16753511
CIE Lab	75.10, 28.45, 44.94
CIE LCh	75, 53.188, 57.657
Yxy	48.4337, 0.4564, 0.3893
Android (android.graphics.Color)	4294943591 (0xFFFFA367)
YUV	183.6680, -39.7693, 62.5582
Hunter-Lab	69.5943, 23.8568, 32.3693

Details

The XYZ color **56.7854, 48.4337, 19.1877** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.1574, 49.1312, 101.8159**, and the grayscale version is **45.5618, 47.9345, 52.2007**.

A 20% lighter version of the original color is **72.2278, 73.7694, 41.4424**, and **28.5984, 23.1046, 6.4424** is the 20% darker color. If you saturate the color by 10%, you get **53.1204, 42.8493, 12.5855**, and if you desaturate by 10%, it is **61.1774, 54.8480, 27.9580**.

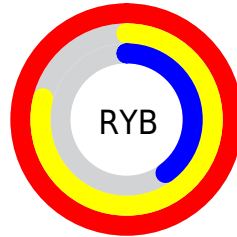
Distribution



Red (100%)

Green (64%)

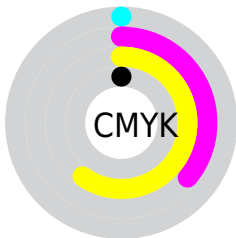
Blue (40%)



Red (100%)

Yellow (79%)

Blue (40%)

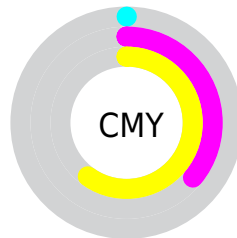


Cyan (0%)

Magenta (36%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7854, 48.4337, 19.1877 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 56.7854, 48.4337, 19.1877 by changing the saturation by 10% instead.


 56.7854, 48.4337,
19.1877

 56.7854, 48.4337,
19.1877


402.6719,
380.5086, 259.9402

 41.0724, 34.1705,
11.6278


 99.2852, 87.8498,
42.8919


 28.5636, 23.0246,
6.3713


 126.8027,
113.7714, 59.8734

 18.8936, 14.6117,
2.9997


 158.9857,
144.3480, 80.8324

 11.6969, 8.5473,
1.0945

 196.1997,
179.9639, 106.1875

 6.6084, 4.4471,
0.0000

238.8100,
221.0035, 136.3573

 3.2626, 1.9267,
0.0000

287.1818,

 1.2941, 0.5643,

267.8513, 171.7604

0.0000

341.6807,
320.8915, 212.8151

■ 0.1788, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7854, 48.4337,
19.1877

■ 56.7854, 48.4337,
19.1877

■ 53.1204, 42.8493,
12.5855

■ 61.1774, 54.8480,
27.9580

■ 50.1301, 38.0486,
7.9510

■ 66.3363, 62.1203,
39.0668

■ 47.7592, 33.9913,
5.0508

■ 72.3031, 70.2864,
52.6702

■ 45.9257, 30.6229,
3.5190

■ 79.1143, 79.3776,
68.9103

■ 45.8613, 30.5030,
3.4705

■ 86.8043, 89.4233,
87.9181

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.



64.6716, 48.4337, 31.5721



56.7854, 48.4337, 19.1877



46.8038, 48.4337, 15.2753

Triad

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



56.7854, 48.4337, 19.1877



29.7592, 48.4337, 50.5760



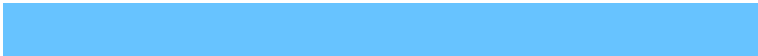
55.2754, 48.4337, 115.8458

Complementary

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



56.7854, 48.4337, 19.1877



43.1574, 49.1312, 101.8159

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.



45.2742, 48.4337, 126.4206



56.7854, 48.4337, 19.1877



31.3739, 48.4337, 81.7179

Square

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



56.7854, 48.4337, 19.1877



31.9699, 48.4337, 28.9532



36.7346, 48.4337, 112.1838



63.7170, 48.4337, 86.9039

Rectangle

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



56.7854, 48.4337, 19.1877



40.5906, 48.4337, 16.3866



36.7346, 48.4337, 112.1838



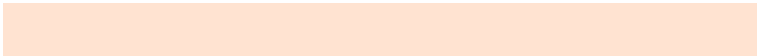
51.9452, 48.4337, 122.0318

Sweetspot

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



56.7865, 48.4362, 19.1886



80.2904, 80.9272, 71.7753



56.1378, 34.9798, 56.4565



16.7334, 16.7252, 14.2638



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.



56.7865, 48.4362, 19.1886



52.3455, 41.6307, 11.3054



74.0494, 82.9620, 24.9429



18.5976, 19.1635, 18.8631



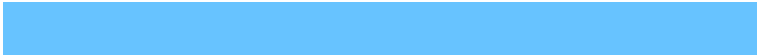
24.0990, 16.2092, 1.8585



2.4493, 1.7841, 0.2153

Inverse Universe

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



43.1574, 49.1312, 101.8159



37.5124, 42.2435, 100.7844



30.4489, 23.7141, 97.5797



17.9178, 19.2072, 23.0129



15.6480, 16.2055, 51.7378



1.6302, 1.7911, 5.0731

Previews

White Background



This preview shows how the XYZ color 56.7854, 48.4337, 19.1877 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 56.7854, 48.4337, 19.1877 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 56.7854, 48.4337, 19.1877

Background



This preview shows how black text looks on a background with the XYZ color 56.7854, 48.4337, 19.1877.



This preview shows how white text looks on a background with the XYZ color 56.7854, 48.4337,

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

56.7854, 48.4337, 19.1877

Protanopia

44.8468, 48.5421, 22.0448

Deuteranopia

49.7009, 48.6953, 18.8362



Tritanopia

60.5347, 48.5409, 43.2246

Trichromacy



Original Color

56.7854, 48.4337, 19.1877

Protanomaly

48.5531, 48.0566, 20.9042

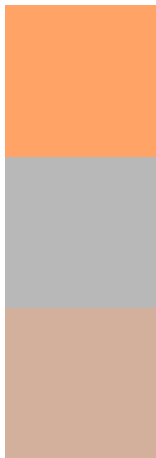
Deuteranomaly

52.0265, 48.4492, 18.9214

Tritanomaly

58.8448, 48.4152, 32.6292

Monochromacy



Original Color

56.7854, 48.4337, 19.1877

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

48.0201, 47.1189, 37.5743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7854, 48.4337, 19.1877 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 103) }
```

Border

The CSS property to change the border of an element to XYZ 56.7854, 48.4337, 19.1877 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, 103) }
```


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

```
.border{ border-color:rgb(255, 163, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 103);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7854, 48.4337, 19.1877 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, 103) }
```

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

```
.background{ background-color: rgb(255,  
163, 103) }
```

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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