

Converting Colors

XYZ(57.8580, 50.6588, 19.2991)

Have a look what the booklet for
XYZ(57.8580, 50.6588, 19.2991)
contains.

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Color

**XYZ(57.8262, 50.5952,
19.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA966
RGB	255, 169, 102
RGB Percent	100%, 66%, 40%
CMY	0.0000, 0.3372, 0.6000
CMYK	0.00, 0.34, 0.60, 0.00
HSL	26°, 100%, 70%
HSV	26°, 60%, 100%
XYZ	57.8262, 50.5952, 19.2885
YIQ	187.0760, 72.7630, -2.6050

Conversions

Conversions Part 2

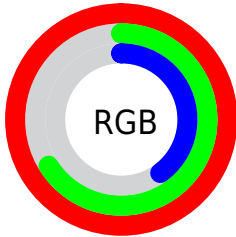
Format	Color
R_{YB}	255, 221, 102
Decimal	16755046
CIE _{Lab}	76.43, 25.26, 47.04
CIE _{LCh}	76, 53.393, 61.770
Yxy	50.5952, 0.4528, 0.3962
Android (android.graphics.Color)	4294945126 (0xFFFFA966)
YUV	187.0760, -41.9425, 59.5693
Hunter-Lab	71.1303, 20.6356, 33.7135

Details

The XYZ color **57.8262, 50.5952, 19.2885** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.5117, 46.0090, 101.2999**, and the grayscale version is **47.4787, 49.9513, 54.3969**.

A 20% lighter version of the original color is **74.0816, 77.4770, 42.0604**, and **29.1134, 24.2080, 6.3870** is the 20% darker color. If you saturate the color by 10%, you get **54.2291, 45.1232, 12.7809**, and if you desaturate by 10%, it is **62.1069, 56.8124, 27.9432**.

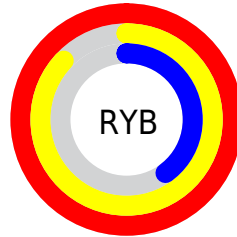
Distribution



Red (100%)

Green (66%)

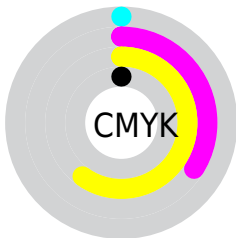
Blue (40%)



Red (100%)

Yellow (87%)

Blue (40%)

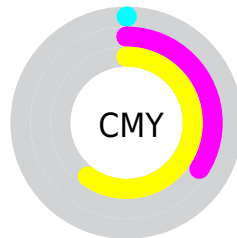


Cyan (0%)

Magenta (34%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (34%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8262, 50.5952, 19.2885 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 57.8262, 50.5952, 19.2885 by changing the saturation by 10% instead.


 57.8262, 50.5952,
19.2885

 57.8262, 50.5952,
19.2885


406.5023,
388.9890, 260.5124

 41.9117, 35.8866,
11.7000


 100.7941, 91.0561,
43.0642


 29.2229, 24.3466,
6.4197


 128.5783,
117.5772, 60.0885

 19.3947, 15.5909,
3.0290


 161.0496,
148.8045, 81.0951

 12.0615, 9.2351,
1.1095

 198.5735,
185.1225, 106.5027

 6.8581, 4.8949,
0.0000

241.5154,
226.9156, 136.7296

 3.4190, 2.1857,
0.0000

290.2406,

 1.3790, 0.7122,

274.5681, 172.1945

0.0000

345.1145,
328.4644, 213.3160

■ 0.2412, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8262, 50.5952,
19.2885

■ 57.8262, 50.5952,
19.2885

■ 54.2291, 45.1232,
12.7809

■ 62.1069, 56.8124,
27.9432

■ 51.2655, 40.3553,
8.2196

■ 67.1088, 63.7980,
38.9151

■ 48.8828, 36.2565,
5.3702

■ 72.8706, 71.5833,
52.3605

■ 46.9984, 32.7772,
3.8496

■ 79.4269, 80.1953,
68.4210

■ 46.9983, 32.7769,
3.8495

■ 86.8100, 89.6596,
87.2273

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.



66.4700, 50.5952, 30.7765



57.8262, 50.5952, 19.2885



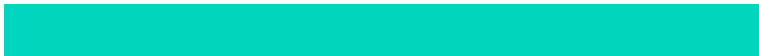
47.4944, 50.5952, 16.2100

Triad

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



57.8262, 50.5952, 19.2885



31.2376, 50.5952, 56.8178



59.0039, 50.5952, 116.8449

Complementary

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



57.8262, 50.5952, 19.2885



41.5117, 46.0090, 101.2999

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.



48.6889, 50.5952, 131.0355



57.8262, 50.5952, 19.2885



33.4539, 50.5952, 89.6879

Square

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



57.8262, 50.5952, 19.2885



32.9872, 50.5952, 32.8302



39.5116, 50.5952, 119.6914



67.2138, 50.5952, 85.6500

Rectangle

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



57.8262, 50.5952, 19.2885



41.2691, 50.5952, 18.0081



39.5116, 50.5952, 119.6914



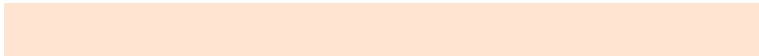
55.6221, 50.5952, 124.1693

Sweetspot

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



57.8274, 50.5977, 19.2895



80.8362, 82.0188, 71.9572



55.1442, 34.4242, 51.7120



16.8657, 16.9898, 14.3079



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.



57.8274, 50.5977, 19.2895



53.5872, 44.1140, 11.7193



76.2299, 87.4028, 25.4236



18.6639, 19.2960, 18.8851



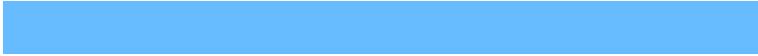
24.7003, 17.4119, 2.0590



2.5115, 1.9083, 0.2360

Inverse Universe

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



41.5117, 46.0090, 101.2999



35.9288, 39.0764, 100.2566



29.3461, 21.6778, 97.2447



17.8501, 19.0718, 22.9904



14.7407, 14.3910, 51.4354



1.5441, 1.6189, 5.0444

Previews

White Background



This preview shows how the XYZ color 57.8262, 50.5952, 19.2885 looks on a white background.

Color Contrast Check

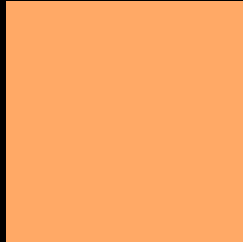
Large Text (above 18pt) WCAG AA × Fail

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 57.8262, 50.5952, 19.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

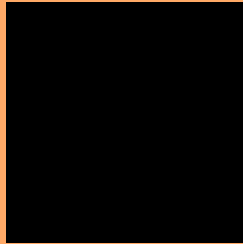
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8262, 50.5952, 19.2885

Background



This preview shows how black text looks on a background with the XYZ color 57.8262, 50.5952, 19.2885.



This preview shows how white text looks on a background with the XYZ color 57.8262, 50.5952,

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

57.8262, 50.5952, 19.2885

Protanopia

46.6900, 50.7647, 21.8057

Deuteranopia

51.9002, 50.7184, 19.1108



Tritanopia

61.9772, 50.5104, 46.5273

Trichromacy



Original Color

57.8262, 50.5952, 19.2885

Protanomaly

50.0699, 50.3438, 20.7140

Deuteranomaly

53.8095, 50.5155, 19.2263

Tritanomaly

60.0404, 50.3084, 34.5630

Monochromacy



Original Color

57.8262, 50.5952, 19.2885

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

49.4734, 49.0399, 38.3106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8262, 50.5952, 19.2885 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, 169, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 102)  
}
```

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, 169, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 102) }
```

Border

The CSS property to change the border of an element to XYZ 57.8262, 50.5952, 19.2885 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, 169, 102) }
```


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

```
.border{ border-color:rgb(255, 169, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 169, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8262, 50.5952, 19.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 102) }
```

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

```
.background{ background-color: rgb(255,  
169, 102) }
```

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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