

Converting Colors

XYZ(84.9510, 64.8969, 20.0548)

Have a look what the booklet for
XYZ(84.9510, 64.8969, 20.0548)
contains.

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Color

**XYZ(57.9150, 50.9296,
18.8345)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAA64
RGB	255, 170, 100
RGB Percent	100%, 67%, 39%
CMY	0.0000, 0.3333, 0.6078
CMYK	0.00, 0.33, 0.61, 0.00
HSL	27°, 100%, 70%
HSV	27°, 61%, 100%
XYZ	57.9150, 50.9296, 18.8345
YIQ	187.4350, 73.1300, -3.7500

Conversions

Conversions Part 2

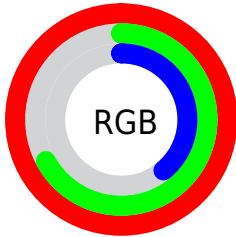
Format	Color
R _Y B	255, 228, 100
Decimal	16755300
CIE Lab	76.64, 24.60, 48.28
CIE LCh	77, 54.185, 63.004
Yxy	50.9296, 0.4536, 0.3989
Android (android.graphics.Color)	4294945380 (0xFFFFAA64)
YUV	187.4350, -43.1055, 59.2545
Hunter-Lab	71.3650, 19.9698, 34.3078

Details

The XYZ color **57.9150, 50.9296, 18.8345** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.6534, 44.6249, 101.0781**, and the grayscale version is **47.6883, 50.1718, 54.6371**.

A 20% lighter version of the original color is **74.1861, 77.9526, 41.2733**, and **29.1851, 24.4222, 6.1933** is the 20% darker color. If you saturate the color by 10%, you get **54.3854, 45.5462, 12.4925**, and if you desaturate by 10%, it is **62.1120, 57.0302, 27.3048**.

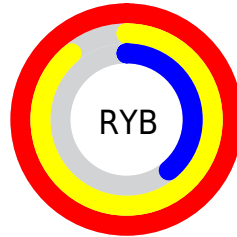
Distribution



Red (100%)

Green (67%)

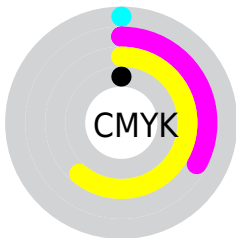
Blue (39%)



Red (100%)

Yellow (89%)

Blue (39%)

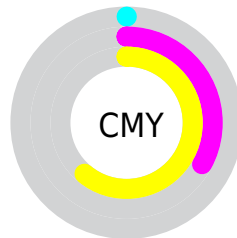


Cyan (0%)

Magenta (33%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9150, 50.9296, 18.8345 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 57.9150, 50.9296, 18.8345 by changing the saturation by 10% instead.

57.9150, 50.9296,
18.8345

57.9150, 50.9296,
18.8345

406.8281,
390.2902, 257.9258

41.9833, 36.1526,
11.3752

100.9227, 91.5507,
42.2872

29.2793, 24.5521,
6.2024

128.7295,
118.1636, 59.1177

19.4375, 15.7436,
2.8978

161.2254,
149.4905, 79.9089

12.0927, 9.3429,
1.0427

198.7756,
185.9159, 105.0795

6.8795, 4.9655,
0.0000

241.7457,
227.8242, 135.0479

3.4325, 2.2271,
0.0000

290.5009,

1.3864, 0.7347,

275.5998, 170.2327

0.0000

345.4066,
329.6270, 211.0525

■ 0.2465, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 57.9150, 50.9296,
18.8345

■ 57.9150, 50.9296,
18.8345

■ 54.3854, 45.5462,
12.4925

■ 62.1120, 57.0302,
27.3048

■ 51.4734, 40.8400,
8.0759

■ 67.0137, 63.8700,
38.0751

■ 49.1264, 36.7775,
5.3468

■ 72.6584, 71.4791,
51.3024

■ 47.3901, 33.5605,
3.9801

■ 79.0803, 79.8834,
67.1293

86.3112, 89.1074,
85.6870

94.3810, 99.1745,
107.0980

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.



66.8862, 50.9296, 30.0425



57.9150, 50.9296, 18.8345



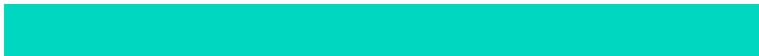
47.3817, 50.9296, 16.0305

Triad

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



57.9150, 50.9296, 18.8345



31.2737, 50.9296, 58.4641



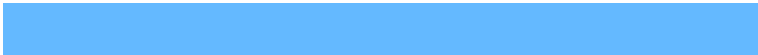
59.9543, 50.9296, 117.5291

Complementary

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



57.9150, 50.9296, 18.8345



40.6534, 44.6249, 101.0781

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.



49.4471, 50.9296, 133.0665



57.9150, 50.9296, 18.8345



33.6897, 50.9296, 92.2266

Square

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



57.9150, 50.9296, 18.8345



32.8851, 50.9296, 33.5770



40.0012, 50.9296, 122.4769



68.1755, 50.9296, 85.2211

Rectangle

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



57.9150, 50.9296, 18.8345



41.1069, 50.9296, 18.0371



40.0012, 50.9296, 122.4769



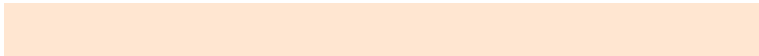
56.5240, 50.9296, 125.3167

Sweetspot

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



57.9162, 50.9322, 18.8355



81.0108, 82.3680, 72.0154



54.5806, 33.8880, 49.7021



16.9081, 17.0746, 14.3221



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.



57.9162, 50.9322, 18.8355



53.6885, 44.4459, 11.3551



76.8773, 88.8543, 25.1558



18.6850, 19.3382, 18.8922



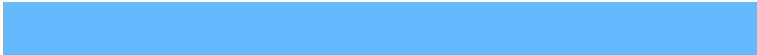
24.9069, 17.8250, 2.1278



2.5324, 1.9502, 0.2430

Inverse Universe

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



40.6534, 44.6249, 101.0781



35.0423, 37.5771, 100.0139



28.6421, 20.6022, 97.0743



17.8287, 19.0289, 22.9832



14.4700, 13.8495, 51.3452



1.5181, 1.5669, 5.0357

Previews

White Background



This preview shows how the XYZ color 57.9150, 50.9296, 18.8345 looks on a white background.

Color Contrast Check

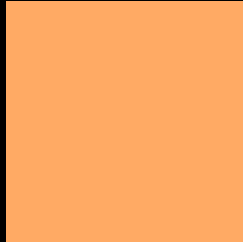
Large Text (above 18pt) WCAG AA × Fail

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 57.9150, 50.9296, 18.8345 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 57.9150, 50.9296, 18.8345

Background



This preview shows how black text looks on a background with the XYZ color 57.9150, 50.9296, 18.8345.



This preview shows how white text looks on a background with the XYZ color 57.9150, 50.9296,

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

57.9150, 50.9296, 18.8345

Protanopia

47.0797, 51.2983, 21.3301

Deuteranopia

52.3328, 51.2532, 18.6899



Tritanopia

62.2533, 50.9061, 47.1022

Trichromacy



Original Color

57.9150, 50.9296, 18.8345

Protanomaly

50.4835, 50.8740, 20.2556

Deuteranomaly

54.2499, 51.0459, 18.7979

Tritanomaly

60.2215, 50.6706, 34.6233

Monochromacy



Original Color

57.9150, 50.9296, 18.8345

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

49.5916, 49.4114, 37.9339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9150, 50.9296, 18.8345 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, 170, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 100)  
}
```

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, 170, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 100) }
```

Border

The CSS property to change the border of an element to XYZ 57.9150, 50.9296, 18.8345 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, 170, 100) }
```


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

```
.border{ border-color:rgb(255, 170, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9150, 50.9296, 18.8345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 100) }
```

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

```
.background{ background-color: rgb(255,  
170, 100) }
```

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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