

Converting Colors

XYZ(58.6951, 49.9891, 26.8058)

Have a look what the booklet for
XYZ(58.6951, 49.9891, 26.8058)
contains.

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Color

**XYZ(58.7725, 50.0909,
26.9929)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA680
RGB	255, 166, 128
RGB Percent	100%, 65%, 50%
CMY	0.0000, 0.3490, 0.4980
CMYK	0.00, 0.35, 0.50, 0.00
HSL	18°, 100%, 75%
HSV	18°, 50%, 100%
XYZ	58.7725, 50.0909, 26.9929
YIQ	188.2790, 65.2420, 7.0500

Conversions

Conversions Part 2

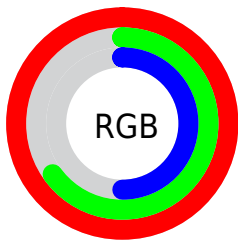
Format	Color
R_{YB}	255, 182, 128
Decimal	16754304
CIE _{Lab}	76.13, 28.88, 33.20
CIE _{LCh}	76, 44.002, 48.976
Yxy	50.0909, 0.4326, 0.3687
Android (android.graphics.Color)	4294944384 (0xFFFFA680)
YUV	188.2790, -29.7175, 58.5143
Hunter-Lab	70.7749, 24.3728, 26.9298

Details

The XYZ color **58.7725, 50.0909, 26.9929** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.7637, 61.4321, 103.7369**, and the grayscale version is **48.0975, 50.6023, 55.1059**.

A 20% lighter version of the original color is **75.7018, 76.8387, 54.5575**, and **29.7860, 23.9624, 10.2630** is the 20% darker color. If you saturate the color by 10%, you get **54.2747, 43.4523, 18.2277**, and if you desaturate by 10%, it is **64.1459, 57.8058, 38.1314**.

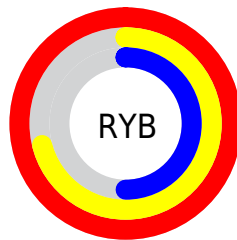
Distribution



Red (100%)

Green (65%)

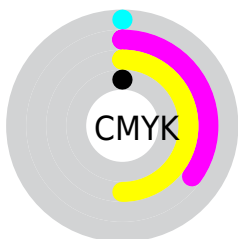
Blue (50%)



Red (100%)

Yellow (71%)

Blue (50%)

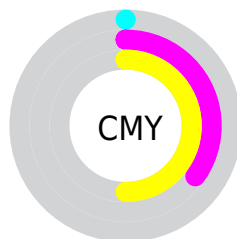


Cyan (0%)

Magenta (35%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (35%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7725, 50.0909, 26.9929 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 58.7725, 50.0909, 26.9929 by changing the saturation by 10% instead.


 58.7725, 50.0909,
26.9929


 58.7725, 50.0909,
26.9929


409.9659,
387.0213, 301.3818


 42.6757, 35.4856,
17.3355


 102.1635, 90.3095,
55.8761

 29.8241, 24.0372,
10.3095

 130.1883,
116.6917, 75.9389

 19.8526, 15.3612,
5.4964


 162.9199,
147.7683, 100.3073

 12.3955, 9.0733,
2.4776

200.7235,
183.9237, 129.3999

 7.0878, 4.7890,
0.8282

243.9646,
225.5423, 163.6350

 3.5639, 2.1240,
0.0000

293.0084,

 1.4585, 0.6781,

273.0085, 203.4314

0.0000

348.2204,
326.7067, 249.2075

■ 0.2973, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7725, 50.0909,
26.9929

■ 58.7725, 50.0909,
26.9929

■ 54.2747, 43.4523,
18.2277

■ 64.1459, 57.8058,
38.1314

■ 50.5980, 37.8327,
11.6571

■ 70.4374, 66.6360,
51.7981

■ 47.6870, 33.1802,
7.0813

■ 77.6911, 76.6274,
68.1383

■ 45.4765, 29.4347,
4.2620

■ 85.9471, 87.8213,
87.2852

■ 43.8730, 26.5217, 95.0499, 100.0000,
2.8212 108.9000

■ 43.8458, 26.4718,
2.7986

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.2002, 50.0909, 41.0892



58.7725, 50.0909, 26.9929



50.7011, 50.0909, 21.0505

Triad

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



58.7725, 50.0909, 26.9929



33.7032, 50.0909, 46.3236



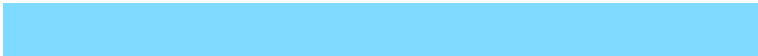
52.9440, 50.0909, 109.6152

Complementary

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



58.7725, 50.0909, 26.9929



51.7637, 61.4321, 103.7369

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.



44.6470, 50.0909, 112.2264



58.7725, 50.0909, 26.9929



34.1564, 50.0909, 70.6471

Square

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



58.7725, 50.0909, 26.9929



36.6398, 50.0909, 29.8703



37.9585, 50.0909, 96.3822



60.5765, 50.0909, 90.0308

Rectangle

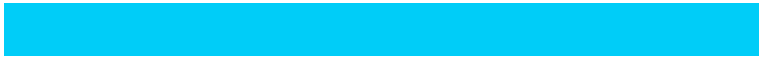
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.7725, 50.0909, 26.9929



45.1831, 50.0909, 20.9016



37.9585, 50.0909, 96.3822



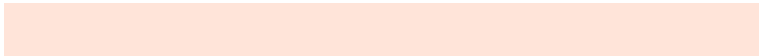
50.1221, 50.0909, 112.6824

Sweetspot

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



58.7737, 50.0934, 26.9939



81.5294, 81.8518, 76.9772



61.7477, 41.8140, 71.8460



17.0839, 17.0215, 15.6287



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.



58.7737, 50.0934, 26.9939



54.1947, 43.3322, 18.0780



72.7378, 78.0215, 31.6485



18.4524, 18.8730, 18.8146



23.0235, 14.0582, 1.5000



2.3323, 1.5500, 0.1763

Inverse Universe

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



51.7637, 61.4321, 103.7369



46.3824, 55.7505, 102.9241



38.7600, 35.4247, 99.4023



18.0690, 19.5096, 23.0633



17.9589, 20.8275, 52.5081



1.8442, 2.2192, 5.1444

Previews

White Background



This preview shows how the XYZ color 58.7725, 50.0909, 26.9929 looks on a white background.

Color Contrast Check

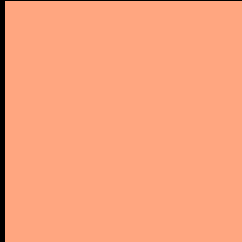
Large Text (above 18pt) WCAG AA × Fail

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 58.7725, 50.0909, 26.9929 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 58.7725, 50.0909, 26.9929

Background



This preview shows how black text looks on a background with the XYZ color 58.7725, 50.0909, 26.9929.



This preview shows how white text looks on a background with the XYZ color 58.7725, 50.0909,

26.9929.

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

58.7725, 50.0909, 26.9929

Protanopia

46.8557, 50.3291, 30.9118

Deuteranopia

51.3870, 50.2919, 26.4010



Tritanopia

61.7032, 50.1178, 45.9568

Trichromacy



Original Color

58.7725, 50.0909, 26.9929

Protanomaly

50.4431, 49.7359, 29.4956

Deuteranomaly

54.0209, 50.1708, 26.5754

Tritanomaly

60.4230, 49.8887, 38.3431

Monochromacy



Original Color

58.7725, 50.0909, 26.9929

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

50.3556, 49.3927, 42.9561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7725, 50.0909, 26.9929 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, 166, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 128)  
}
```

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, 166, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 128) }
```

Border

The CSS property to change the border of an element to XYZ 58.7725, 50.0909, 26.9929 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, 166, 128) }
```


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

```
.border{ border-color:rgb(255, 166, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 166, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 166, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 166, 128); box-shadow:4px 4px 4px 4px rgb(255, 166, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7725, 50.0909, 26.9929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 128) }
```

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

```
.background{ background-color: rgb(255,  
166, 128) }
```

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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