

# Converting Colors

XYZ(77.5213, 59.5165, 25.7644)

Have a look what the booklet for  
XYZ(77.5213, 59.5165, 25.7644)  
contains.

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# Color

**XYZ(58.2080, 49.5754,  
24.9135)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFA57A
RGB	255, 165, 122
RGB Percent	100%, 65%, 48%
CMY	0.0000, 0.3529, 0.5216
CMYK	0.00, 0.35, 0.52, 0.00
HSL	19°, 100%, 74%
HSV	19°, 52%, 100%
XYZ	58.2080, 49.5754, 24.9135
YIQ	187.0080, 67.4430, 5.7070

# Conversions

## Conversions Part 2

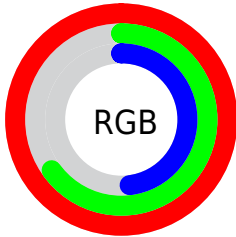
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 186, 122
Decimal	16754042
CIE <sub>Lab</sub>	75.81, 28.88, 35.96
CIE <sub>LCh</sub>	76, 46.124, 51.233
Yxy	49.5754, 0.4387, 0.3736
Android (android.graphics.Color)	4294944122 (0xFFFFA57A)
YUV	187.0080, -32.0489, 59.6290
Hunter-Lab	70.4098, 24.3494, 28.3079

# Details

The XYZ color **58.2080, 49.5754, 24.9135** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.6183, 58.4418, 103.2727**, and the grayscale version is **47.3882, 49.8561, 54.2933**.

A 20% lighter version of the original color is **74.8343, 76.0680, 51.2958**, and **29.4695, 23.6583, 9.1442** is the 20% darker color. If you saturate the color by 10%, you get **53.9255, 43.2160, 16.6872**, and if you desaturate by 10%, it is **63.3273, 56.9454, 35.4645**.

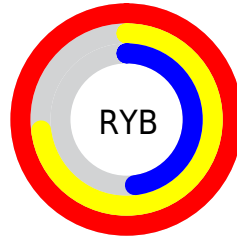
# Distribution



Red (100%)

Green (65%)

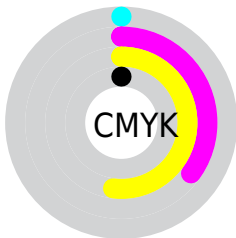
Blue (48%)



Red (100%)

Yellow (73%)

Blue (48%)

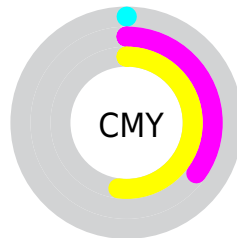


Cyan (0%)

Magenta (35%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.2080, 49.5754, 24.9135 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 58.2080, 49.5754, 24.9135 by changing the saturation by 10% instead.



58.2080, 49.5754,  
24.9135

58.2080, 49.5754,  
24.9135

407.9019,  
385.0032, 290.8408

42.2198, 35.0761,  
15.7942

101.3469, 89.5455,  
52.4792

29.4653, 23.7215,  
9.2259

129.2283,  
115.7850, 71.7627

19.5791, 15.1272,  
4.7900

161.8049,  
146.7068, 95.2714

12.1960, 8.9087,  
2.0680

199.4419,  
182.6953, 123.4237

6.9504, 4.6817,  
0.5966

242.5048,  
224.1347, 156.6383

3.4772, 2.0617,  
0.0000

291.3588,

1.4108, 0.6430,

271.4096, 195.3336

0.0000

346.3694,  
324.9043, 239.9283

■ 0.2639, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.2080, 49.5754,  
24.9135

■ 58.2080, 49.5754,  
24.9135

■ 53.9255, 43.2160,  
16.6872

■ 63.3273, 56.9454,  
35.4645

■ 50.4263, 37.8130,  
10.6024

■ 69.3252, 65.3618,  
48.4983

■ 47.6556, 33.3179,  
6.4529

■ 76.2446, 74.8678,  
64.1623

■ 45.5480, 29.6742,  
3.9890

■ 84.1245, 85.5016,  
82.5918

■ 44.2916, 27.3633,  
2.9472

■ 93.0016, 97.2999,  
103.9123

95.0499, 99.9999,  
108.9000

# Harmonies

## Analogous

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



64.2068, 49.5754, 38.6300



58.2080, 49.5754, 24.9135



49.6762, 49.5754, 19.4847

# Triad

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



58.2080, 49.5754, 24.9135



32.6399, 49.5754, 47.1016



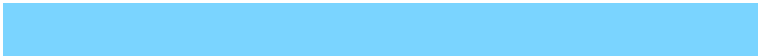
53.3424, 49.5754, 110.9911

# Complementary

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



58.2080, 49.5754, 24.9135



49.6183, 58.4418, 103.2727

# 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.



44.6529, 49.5754, 115.3345



58.2080, 49.5754, 24.9135



33.3702, 49.5754, 72.9351

# Square

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



58.2080, 49.5754, 24.9135



35.4055, 49.5754, 29.4957



37.5378, 49.5754, 99.7626



61.1693, 49.5754, 89.2446



# Rectangle

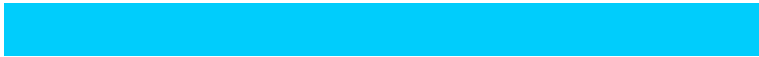
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2080, 49.5754, 24.9135



43.9827, 49.5754, 19.6639



37.5378, 49.5754, 99.7626



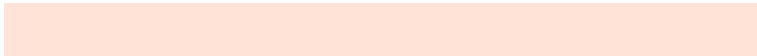
50.4029, 49.5754, 114.7506

# Sweetspot

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



58.2092, 49.5779, 24.9144



80.9798, 81.2786, 75.1726



60.1951, 39.9776, 67.4172



16.9853, 16.9278, 15.2766



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.



58.2092, 49.5779, 24.9144



53.6008, 42.7238, 16.0937



73.2216, 79.6026, 29.9186



18.4889, 18.9460, 18.8268



23.2628, 14.5368, 1.5798



2.3593, 1.6039, 0.1852



# Inverse Universe

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



49.6183, 58.4418, 103.2727



44.0706, 52.3553, 102.3906



36.4145, 32.0342, 98.8714



18.0307, 19.4330, 23.0506



17.3357, 19.5810, 52.3004



1.7872, 2.1050, 5.1254



# Previews

## White Background



This preview shows how the XYZ color 58.2080, 49.5754, 24.9135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

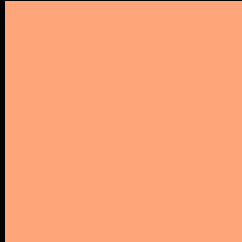
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.2080, 49.5754, 24.9135 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 58.2080, 49.5754, 24.9135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.2080, 49.5754, 24.9135.



This preview shows how white text looks on a background with the XYZ color 58.2080, 49.5754,



# 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

58.2080, 49.5754, 24.9135

### Protanopia

46.2242, 49.7359, 28.6364

### Deuteranopia

50.8139, 49.7409, 24.3755



## Tritanopia

61.4313, 49.7283, 45.3905

# Trichromacy



**Original Color**

58.2080, 49.5754, 24.9135

**Protanomaly**

49.8352, 49.1709, 27.2864

**Deuteranomaly**

53.4513, 49.6327, 24.5322

**Tritanomaly**

59.9931, 49.4338, 36.9515

# Monochromacy



**Original Color**

58.2080, 49.5754, 24.9135

**Achromatopsia**

47.2335, 49.6933, 54.1160

**Achromatomaly**

49.8823, 48.8816, 41.4563

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.2080, 49.5754, 24.9135 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, 165, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 122)  
}
```

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, 165, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 58.2080, 49.5754, 24.9135 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, 165, 122) }
```



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

```
.border{ border-color:rgb(255, 165, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.2080, 49.5754, 24.9135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 122) }
```

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

```
.background{ background-color: rgb(255,  
165, 122) }
```

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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