

# Converting Colors

XYZ(57.3943, 49.3141, 20.4320)

Have a look what the booklet for  
XYZ(57.3943, 49.3141, 20.4320)  
contains.

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# Color

**XYZ(57.3490, 49.2318,  
20.3900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA56B
RGB	255, 165, 107
RGB Percent	100%, 65%, 42%
CMY	0.0000, 0.3529, 0.5804
CMYK	0.00, 0.35, 0.58, 0.00
HSL	24°, 100%, 71%
HSV	24°, 58%, 100%
XYZ	57.3490, 49.2318, 20.3900
YIQ	185.2980, 72.2580, 1.0420

# Conversions

## Conversions Part 2

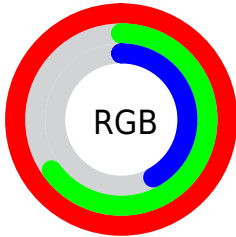
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 202, 107
Decimal	16754027
CIE Lab	75.60, 27.70, 43.50
CIE LCh	76, 51.569, 57.513
Yxy	49.2318, 0.4517, 0.3877
Android (android.graphics.Color)	4294944107 (0xFFFFA56B)
YUV	185.2980, -38.6009, 61.1287
Hunter-Lab	70.1654, 23.1059, 31.8861

# Details

The XYZ color **57.3490, 49.2318, 20.3900** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.0785, 50.2759, 101.9884**, and the grayscale version is **46.4614, 48.8810, 53.2314**.

A 20% lighter version of the original color is **73.1784, 74.9845, 43.8742**, and **28.9170, 23.5851, 7.0313** is the 20% darker color. If you saturate the color by 10%, you get **53.5709, 43.5154, 13.4595**, and if you desaturate by 10%, it is **61.8641, 55.7895, 29.5182**.

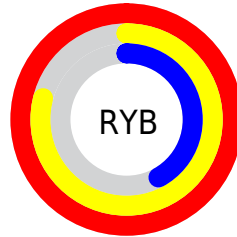
# Distribution



Red (100%)

Green (65%)

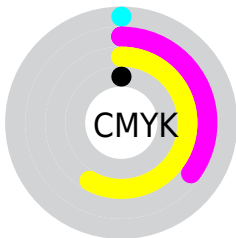
Blue (42%)



Red (100%)

Yellow (79%)

Blue (42%)

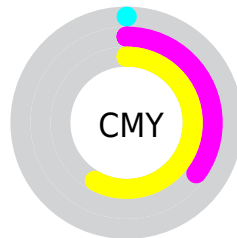


Cyan (0%)

Magenta (35%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3490, 49.2318, 20.3900 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 57.3490, 49.2318, 20.3900 by changing the saturation by 10% instead.



57.3490, 49.2318,  
20.3900

57.3490, 49.2318,  
20.3900

404.7488,  
383.6542, 266.6924

41.5267, 34.8034,  
12.4920

100.1027, 89.0356,  
44.9376

28.9204, 23.5115,  
6.9531

127.7648,  
115.1798, 62.4243

19.1646, 14.9716,  
3.3548

160.1042,  
145.9981, 83.9443

11.8940, 8.7995,  
1.2785

197.4864,  
181.8748, 109.9161

6.7432, 4.6106,  
0.0441

240.2765,  
223.1944, 140.7582

3.3469, 2.0207,  
0.0000

288.8401,

1.3398, 0.6194,

270.3412, 176.8893

0.0000

343.5424,  
323.6997, 218.7279

■ 0.2127, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.3490, 49.2318,  
20.3900

■ 57.3490, 49.2318,  
20.3900

■ 53.5709, 43.5154,  
13.4595

■ 61.8641, 55.7895,  
29.5182

■ 50.4782, 38.5944,  
8.5306

■ 67.1556, 63.2168,  
41.0111

■ 48.0169, 34.4288,  
5.3768

■ 73.2641, 71.5491,  
55.0230

■ 46.1159, 30.9682,  
3.6905

■ 80.2259, 80.8179,  
71.6938

45.7915, 30.3633,  
3.4472

88.0751, 91.0528,  
91.1532

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.



65.0126, 49.2318, 32.8218



57.3490, 49.2318, 20.3900



47.5935, 49.2318, 16.3954

# Triad

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



57.3490, 49.2318, 20.3900



30.7609, 49.2318, 51.3585



55.7852, 49.2318, 114.9707

# Complementary

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



57.3490, 49.2318, 20.3900



44.0785, 50.2759, 101.9884

# 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.



46.0022, 49.2318, 125.0464



57.3490, 49.2318, 20.3900



32.3420, 49.2318, 81.7071

# Square

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



57.3490, 49.2318, 20.3900



32.9680, 49.2318, 30.0573



37.6196, 49.2318, 111.2225



64.0269, 49.2318, 87.0468



# Rectangle

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



57.3490, 49.2318, 20.3900



41.4896, 49.2318, 17.5019



37.6196, 49.2318, 111.2225



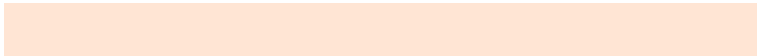
52.5309, 49.2318, 120.8988

# Sweetspot

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



57.3502, 49.2343, 20.3909



80.9994, 81.8356, 73.5828



56.7216, 35.8653, 57.5209



17.0189, 17.0969, 14.9734



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.



57.3502, 49.2343, 20.3909



52.9119, 42.4887, 12.3413



74.3907, 83.3153, 26.0711



18.5933, 19.1548, 18.8616



24.0620, 16.1351, 1.8462

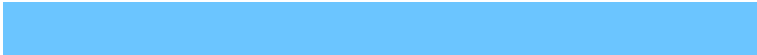


2.4455, 1.7763, 0.2140



# Inverse Universe

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



44.0785, 50.2759, 101.9884



38.4277, 43.4917, 100.9771



31.3549, 24.8285, 97.7472



17.9223, 19.2162, 23.0144



15.7107, 16.3310, 51.7587



1.6361, 1.8029, 5.0750



# Previews

## White Background



This preview shows how the XYZ color 57.3490, 49.2318, 20.3900 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

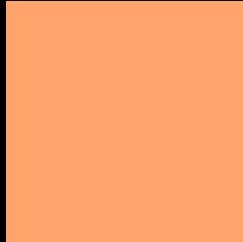
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3490, 49.2318, 20.3900 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 57.3490, 49.2318, 20.3900**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3490, 49.2318, 20.3900.



This preview shows how white text looks on a background with the XYZ color 57.3490, 49.2318,



# 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

57.3490, 49.2318, 20.3900

### Protanopia

45.7667, 49.6158, 23.3843

### Deuteranopia

50.4140, 49.3342, 19.9621



## Tritanopia

61.0665, 49.3039, 44.3283

# Trichromacy



## Original Color

57.3490, 49.2318, 20.3900

## Protanomaly

49.4762, 49.0980, 22.1984

## Deuteranomaly

52.7533, 49.0842, 20.0584

## Tritanomaly

59.4268, 49.2072, 33.9696

# Monochromacy



## Original Color

57.3490, 49.2318, 20.3900

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

48.5845, 47.9767, 38.5980

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3490, 49.2318, 20.3900 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3490, 49.2318, 20.3900 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, 107) }
```



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

```
.border{ border-color:rgb(255, 165, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3490, 49.2318, 20.3900 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, 107) }
```

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

```
.background{ background-color: rgb(255,  
165, 107) }
```

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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