

# Converting Colors

XYZ(155.6814, 100.0000,  
30.1442)

Have a look what the booklet for  
XYZ(155.6814, 100.0000, 30.1442)  
contains.

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# Color

**XYZ(58.5143, 49.9877,  
25.6333)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA67C
RGB	255, 166, 124
RGB Percent	100%, 65%, 49%
CMY	0.0000, 0.3490, 0.5137
CMYK	0.00, 0.35, 0.51, 0.00
HSL	19°, 100%, 74%
HSV	19°, 51%, 100%
XYZ	58.5143, 49.9877, 25.6333
YIQ	187.8230, 66.5260, 5.8060

# Conversions

## Conversions Part 2

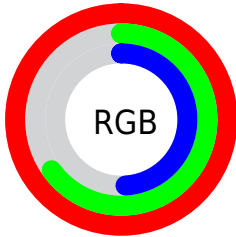
Format	Color
RYB	255, 186, 124
Decimal	16754300
CIELab	76.06, 28.53, 35.23
CIElCh	76, 45.336, 51.001
Yxy	49.9877, 0.4362, 0.3727
Android (android.graphics.Color)	4294944380 (0xFFFFA67C)
YUV	187.8230, -31.4647, 58.9142
Hunter-Lab	70.7020, 24.0015, 27.9955

# Details

The XYZ color **58.5143, 49.9877, 25.6333** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **50.1551, 59.0906, 103.3695**, and the grayscale version is **47.8472, 50.3390, 54.8191**.

A 20% lighter version of the original color is **75.2971, 76.6769, 52.4265**, and **29.6468, 23.9068, 9.5305** is the 20% darker color. If you saturate the color by 10%, you get **54.1657, 43.5463, 17.2303**, and if you desaturate by 10%, it is **63.7065, 57.4493, 36.3753**.

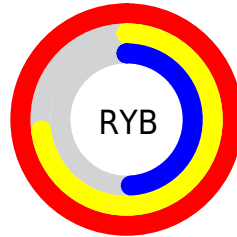
# Distribution



Red (100%)

Green (65%)

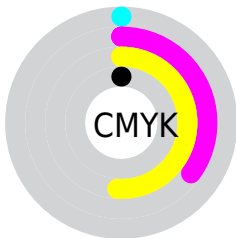
Blue (49%)



Red (100%)

Yellow (73%)

Blue (49%)

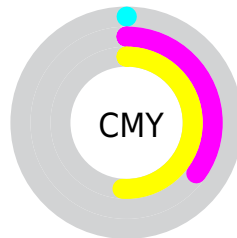


Cyan (0%)

Magenta (35%)

Yellow (51%)

Black (0%)



Cyan (0%)

Magenta (35%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5143, 49.9877, 25.6333 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 58.5143, 49.9877, 25.6333 by changing the saturation by 10% instead.





 58.5143, 49.9877,  
25.6333

 58.5143, 49.9877,  
25.6333


409.0226,  
386.6178, 294.5253


 42.4671, 35.4036,  
16.3262

 101.7901, 90.1567,  
53.6596

 29.6599, 23.9740,  
9.5984


 129.7494,  
116.5103, 73.2158

 19.7274, 15.3143,  
5.0314


 162.4101,  
147.5560, 97.0256

 12.3042, 9.0403,  
2.2066

200.1377,  
183.6780, 125.5073

 7.0248, 4.7675,  
0.6782

243.2973,  
225.2608, 159.0796

 3.5241, 2.1115,  
0.0000

292.2545,

 1.4366, 0.6711,

272.6888, 198.1610

0.0000

347.3745,  
326.3463, 243.1701

■ 0.2821, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5143, 49.9877,  
25.6333

■ 58.5143, 49.9877,  
25.6333

■ 54.1657, 43.5463,  
17.2303

■ 63.7065, 57.4493,  
36.3753

■ 50.6073, 38.0706,  
10.9847

■ 69.7838, 65.9670,  
49.6131

■ 47.7846, 33.5123,  
6.6927

■ 76.7892, 75.5842,  
65.4933

■ 45.6330, 29.8145,  
4.1088

■ 84.7617, 86.3395,  
84.1502

■ 44.2396, 27.2595,  
2.9299

■ 93.7379, 98.2694,  
105.7090

■ 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.



64.3939, 49.9877, 39.3664



58.5143, 49.9877, 25.6333



50.1048, 49.9877, 20.1372

# Triad

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



58.5143, 49.9877, 25.6333



33.1744, 49.9877, 47.4542



53.5902, 49.9877, 110.6100

# Complementary

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



58.5143, 49.9877, 25.6333



50.1551, 59.0906, 103.3695

# Split Complementary

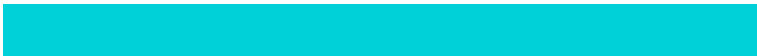
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.0099, 49.9877, 114.7089



58.5143, 49.9877, 25.6333



33.8728, 49.9877, 72.9117

# Square

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



58.5143, 49.9877, 25.6333



35.9466, 49.9877, 30.0379



37.9829, 49.9877, 99.3138



61.3245, 49.9877, 89.3692



# Rectangle

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



58.5143, 49.9877, 25.6333



44.4715, 49.9877, 20.2834



37.9829, 49.9877, 99.3138



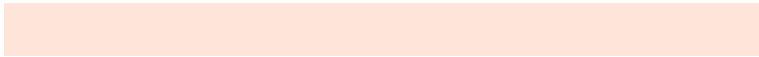
50.6876, 49.9877, 114.2444

# Sweetspot

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



58.5155, 49.9902, 25.6343



81.7554, 82.3038, 77.0525



60.5236, 40.5060, 67.9238



17.1379, 17.1295, 15.6467



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.



58.5155, 49.9902, 25.6343



53.9197, 43.1745, 16.7765



73.4492, 79.8576, 30.6122



18.4848, 18.9378, 18.8254



23.2350, 14.4812, 1.5705

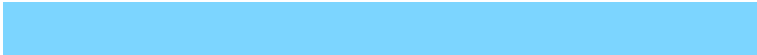


2.3562, 1.5977, 0.1842



# Inverse Universe

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



50.1551, 59.0906, 103.3695



44.6343, 53.0863, 102.5019



36.9550, 32.6906, 98.9695



18.0350, 19.4415, 23.0520



17.4041, 19.7177, 52.3232



1.7934, 2.1176, 5.1275



# Previews

## White Background



This preview shows how the XYZ color 58.5143, 49.9877, 25.6333 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

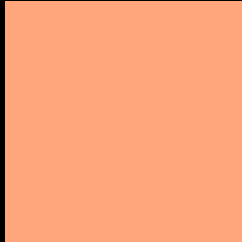
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5143, 49.9877, 25.6333 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 58.5143, 49.9877, 25.6333**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5143, 49.9877, 25.6333.



This preview shows how white text looks on a background with the XYZ color 58.5143, 49.9877,



# 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

58.5143, 49.9877, 25.6333

### Protanopia

46.8455, 50.3564, 29.4410

### Deuteranopia

51.1365, 50.1917, 25.0820



## Tritanopia

61.7032, 50.1178, 45.9568

# Trichromacy



## Original Color

58.5143, 49.9877, 25.6333

## Protanomaly

50.4747, 49.7838, 28.0680

## Deuteranomaly

53.7679, 50.0696, 25.2429

## Tritanomaly

60.2536, 49.8209, 37.4510

# Monochromacy



## Original Color

58.5143, 49.9877, 25.6333

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

50.2642, 49.3562, 42.4748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5143, 49.9877, 25.6333 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5143, 49.9877, 25.6333 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, 124) }
```



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

```
.border{ border-color:rgb(255, 166, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5143, 49.9877, 25.6333 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, 124) }
```

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

```
.background{ background-color: rgb(255,  
166, 124) }
```

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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