

# Converting Colors

XYZ(63.4149, 57.3892, 34.6647)

Have a look what the booklet for  
XYZ(63.4149, 57.3892, 34.6647)  
contains.

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# Color

**XYZ(63.4913, 57.5853,  
34.5568)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB891
RGB	255, 184, 145
RGB Percent	100%, 72%, 57%
CMY	0.0000, 0.2784, 0.4314
CMYK	0.00, 0.28, 0.43, 0.00
HSL	21°, 100%, 78%
HSV	21°, 43%, 100%
XYZ	63.4913, 57.5853, 34.5568
YIQ	200.7830, 54.8350, 2.9230

# Conversions

## Conversions Part 2

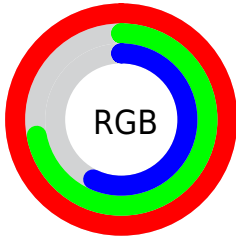
Format	Color
R <sub>Y</sub> B	255, 205, 145
Decimal	16758929
CIE Lab	80.51, 21.10, 29.97
CIE LCh	81, 36.652, 54.853
Yxy	57.5853, 0.4080, 0.3700
Android (android.graphics.Color)	4294949009 (0xFFFFB891)
YUV	200.7830, -27.5010, 47.5483
Hunter-Lab	75.8850, 16.5483, 26.1198

# Details

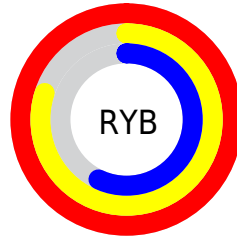
The XYZ color **63.4913, 57.5853, 34.5568** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.2818, 62.3489, 103.7811**, and the grayscale version is **55.5254, 58.4170, 63.6161**.

A 20% lighter version of the original color is **82.7089, 87.7037, 66.6021**, and **32.9016, 28.7765, 14.4100** is the 20% darker color. If you saturate the color by 10%, you get **58.5194, 50.4429, 24.2633**, and if you desaturate by 10%, it is **69.3052, 65.7053, 47.3091**.

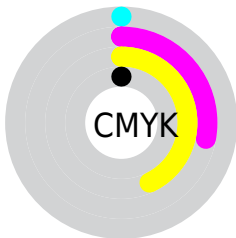
# Distribution



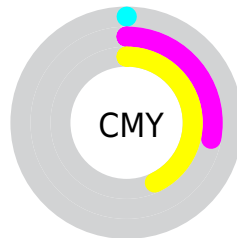
- Red (100%)
- Green (72%)
- Blue (57%)



- Red (100%)
- Yellow (80%)
- Blue (57%)



- Cyan (0%)
- Magenta (28%)
- Yellow (43%)
- Black (0%)



- Cyan (0%)
- Magenta (28%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4913, 57.5853, 34.5568 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 63.4913, 57.5853, 34.5568 by changing the saturation by 10% instead.





 63.4913, 57.5853,  
34.5568


 63.4913, 57.5853,  
34.5568


426.9817,  
415.6389, 337.4524

 46.4989, 41.4753,  
23.0409


 108.9558,  
101.3187, 67.9424

 32.8460, 28.6907,  
14.4181


 138.1587,  
129.7110, 90.6491

 22.1672, 18.8470,  
8.2700


172.1624,  
162.9661, 117.9231

 14.0971, 11.5597,  
4.1779

211.3324,  
201.4685, 150.1831

 8.2704, 6.4447,  
1.7235

256.0340,  
245.6026, 187.8474

 4.3217, 3.1173,  
0.3767

306.6325,

 1.8857, 1.1933,

295.7528, 231.3347

0.0000

363.4933,  
352.3034, 281.0635

0.5685, 0.0562,  
0.0000

0.0000, 0.0000,  
0.0000

63.4913, 57.5853,  
34.5568

63.4913, 57.5853,  
34.5568

58.5194, 50.4429,  
24.2633

69.3052, 65.7053,  
47.3091

54.3416, 44.2307,  
16.2633

75.9967, 74.8312,  
62.6639

50.9116, 38.9093,  
10.3764

83.6046, 85.0004,  
80.7578

48.1751, 34.4327,  
6.3927

92.1638, 96.2458,  
101.7167

■ 46.0687, 30.7494, 95.0499, 99.9999,  
4.0583 108.9000

■ 44.9318, 28.6437,  
3.1606

# Harmonies

## Analogous

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



68.9383, 57.5853, 46.8487



63.4913, 57.5853, 34.5568



56.0413, 57.5853, 29.8250

# Triad

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



63.4913, 57.5853, 34.5568



41.5514, 57.5853, 59.0565



61.0416, 57.5853, 108.3125

# Complementary

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



63.4913, 57.5853, 34.5568



54.2818, 62.3489, 103.7811

# 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.



53.4454, 57.5853, 113.6829



63.4913, 57.5853, 34.5568



42.6270, 57.5853, 81.7769

# Square

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



63.4913, 57.5853, 34.5568



43.7351, 57.5853, 41.7449



46.8198, 57.5853, 103.0487



67.4356, 57.5853, 89.7056



# Rectangle

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



63.4913, 57.5853, 34.5568



51.1076, 57.5853, 30.5730



46.8198, 57.5853, 103.0487



58.5261, 57.5853, 111.8823

# Sweetspot

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



63.4927, 57.5881, 34.5579



83.7152, 85.1468, 81.0246



63.8250, 46.4951, 70.9160



17.5412, 17.7242, 16.4341



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.



63.4927, 57.5881, 34.5579



59.0438, 51.2074, 25.3146



77.0712, 84.7450, 39.0841



18.5363, 19.0408, 18.8426



23.6048, 15.2209, 1.6938

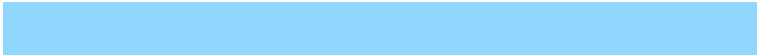


2.3968, 1.6789, 0.1977

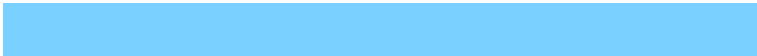


# Inverse Universe

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



54.2818, 62.3489, 103.7811



48.6839, 56.4891, 102.9453



42.5600, 38.9052, 99.8738



17.9812, 19.3340, 23.0341



16.5684, 18.0463, 52.0446



1.7163, 1.9632, 5.1018



# Previews

## White Background



This preview shows how the XYZ color 63.4913, 57.5853, 34.5568 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 63.4913, 57.5853, 34.5568 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 63.4913, 57.5853, 34.5568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.4913, 57.5853, 34.5568.



This preview shows how white text looks on a background with the XYZ color 63.4913, 57.5853,

34.5568.

# 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

63.4913, 57.5853, 34.5568

### Protanopia

54.0533, 57.8717, 38.0272

### Deuteranopia

59.0675, 57.8596, 34.0414



## Tritanopia

67.0757, 57.7083, 57.4727

# Trichromacy



## Original Color

63.4913, 57.5853, 34.5568

## Protanomaly

57.0297, 57.4115, 36.5095

## Deuteranomaly

60.5399, 57.6419, 34.3208

## Tritanomaly

65.5017, 57.4029, 48.1850

# Monochromacy



## Original Color

63.4913, 57.5853, 34.5568

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

57.6744, 57.7386, 51.8210

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4913, 57.5853, 34.5568 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, 184, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 145)  
}
```

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, 184, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4913, 57.5853, 34.5568 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, 184, 145) }
```



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

```
.border{ border-color:rgb(255, 184, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4913, 57.5853, 34.5568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 145) }
```

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

```
.background{ background-color: rgb(255,  
184, 145) }
```

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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