

# Converting Colors

XYZ(105.2144, 79.1361,  
38.0563)

Have a look what the booklet for  
XYZ(105.2144, 79.1361, 38.0563)  
contains.

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# Color

**XYZ(63.8053, 57.7109,  
36.2102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB895
RGB	255, 184, 149
RGB Percent	100%, 72%, 58%
CMY	0.0000, 0.2784, 0.4157
CMYK	0.00, 0.28, 0.42, 0.00
HSL	20°, 100%, 79%
HSV	20°, 42%, 100%
XYZ	63.8053, 57.7109, 36.2102
YIQ	201.2390, 53.5510, 4.1670

# Conversions

## Conversions Part 2

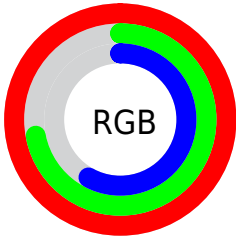
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 201, 149
Decimal	16758933
CIE Lab	80.58, 21.52, 27.95
CIE LCh	81, 35.272, 52.408
Yxy	57.7109, 0.4045, 0.3659
Android (android.graphics.Color)	4294949013 (0xFFFFB895)
YUV	201.2390, -25.7538, 47.1484
Hunter-Lab	75.9677, 16.9788, 24.9166

# Details

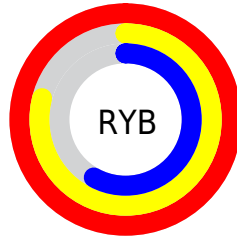
The XYZ color **63.8053, 57.7109, 36.2102** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.0366, 64.7934, 104.1605**, and the grayscale version is **55.7984, 58.7043, 63.9290**.

A 20% lighter version of the original color is **83.1796, 87.8920, 69.0807**, and **33.0859, 28.8502, 15.3801** is the 20% darker color. If you saturate the color by 10%, you get **58.6521, 50.3136, 25.5242**, and if you desaturate by 10%, it is **69.8355, 66.1487, 49.3885**.

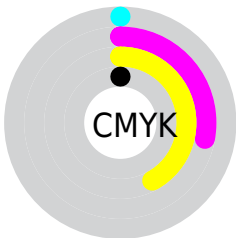
# Distribution



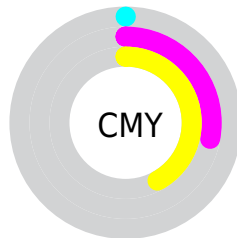
- Red (100%)
- Green (72%)
- Blue (58%)



- Red (100%)
- Yellow (79%)
- Blue (58%)



- Cyan (0%)
- Magenta (28%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (28%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8053, 57.7109, 36.2102 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 63.8053, 57.7109, 36.2102 by changing the saturation by 10% instead.




 63.8053, 57.7109,  
36.2102

 63.8053, 57.7109,  
36.2102


428.0996,  
416.1078, 344.9435

 46.7541, 41.5763,  
24.3056


 109.4058,  
101.5017, 70.5291

 33.0484, 28.7696,  
15.3462

 138.6858,  
129.9268, 93.7804

 22.3230, 18.9066,  
8.9134


172.7727,  
163.2173, 121.6511

 14.2123, 11.6028,  
4.5887

212.0320,  
201.7579, 154.5597

 8.3512, 6.4739,  
1.9535

256.8290,  
245.9328, 192.9247

 4.3742, 3.1353,  
0.5265

307.5290,

 1.9159, 1.2028,

296.1265, 237.1646

0.0000

364.4974,  
352.7234, 287.6980

0.5861, 0.0640,  
0.0000

0.0000, 0.0000,  
0.0000

63.8053, 57.7109,  
36.2102

63.8053, 57.7109,  
36.2102

58.6521, 50.3136,  
25.5242

69.8355, 66.1487,  
49.3885

54.3269, 43.9064,  
17.1671

76.7795, 75.6582,  
65.2014

50.7822, 38.4466,  
10.9615

84.6771, 86.2796,  
83.7841

47.9629, 33.8849,  
6.7020

93.5644, 98.0483,  
105.2619

■ 45.8052, 30.1664, 95.0499, 100.0000,  
4.1426 108.9000

■ 44.4267, 27.6335,  
2.9923

# Harmonies

## Analogous

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



68.7786, 57.7109, 48.8114



63.8053, 57.7109, 36.2102



56.7152, 57.7109, 30.9851

# Triad

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



63.8053, 57.7109, 36.2102



42.1601, 57.7109, 57.7081



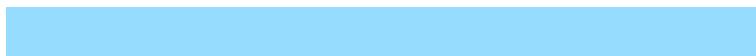
60.3411, 57.7109, 107.4548

# Complementary

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



63.8053, 57.7109, 36.2102



56.0366, 64.7934, 104.1605

# 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.



53.0310, 57.7109, 111.3113



63.8053, 57.7109, 36.2102



42.9457, 57.7109, 79.3216

# Square

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



63.8053, 57.7109, 36.2102



44.5296, 57.7109, 41.4901



46.7789, 57.7109, 100.0860



66.6589, 57.7109, 90.4801



# Rectangle

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



63.8053, 57.7109, 36.2102



51.9107, 57.7109, 31.3502



46.7789, 57.7109, 100.0860



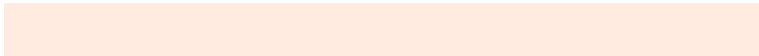
57.9033, 57.7109, 110.4603

# Sweetspot

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



63.8068, 57.7137, 36.2113



84.3158, 85.7974, 82.9224



65.0967, 47.9990, 74.5438



17.8156, 18.0548, 17.1981



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.



63.8068, 57.7137, 36.2113



59.4044, 51.4072, 27.0416



76.5358, 83.1717, 40.4543



18.4993, 18.9668, 18.8303



23.3351, 14.6814, 1.6039

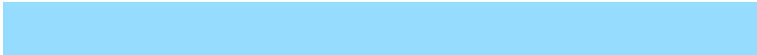


2.3673, 1.6199, 0.1879

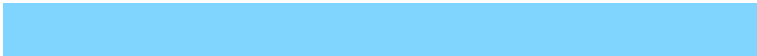


# Inverse Universe

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



56.0366, 64.7934, 104.1605



50.6447, 59.3058, 103.3857



44.5277, 41.7757, 100.3243



18.0198, 19.4111, 23.0469



17.1626, 19.2348, 52.2427



1.7712, 2.0731, 5.1201



# Previews

## White Background



This preview shows how the XYZ color 63.8053, 57.7109, 36.2102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

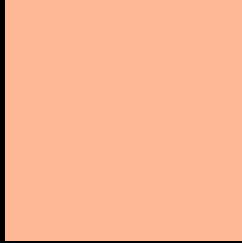
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.8053, 57.7109, 36.2102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

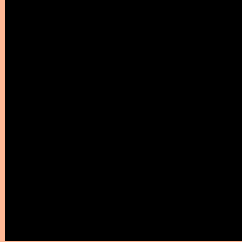
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.8053, 57.7109, 36.2102

## Background



This preview shows how black text looks on a background with the XYZ color 63.8053, 57.7109, 36.2102.



This preview shows how white text looks on a background with the XYZ color 63.8053, 57.7109,



# 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

63.8053, 57.7109, 36.2102

### Protanopia

54.3866, 58.0050, 39.7821

### Deuteranopia

59.0411, 57.8104, 35.6505



## Tritanopia

67.0757, 57.7083, 57.4727

# Trichromacy



## Original Color

63.8053, 57.7109, 36.2102

## Protanomaly

57.3547, 57.5415, 38.2207

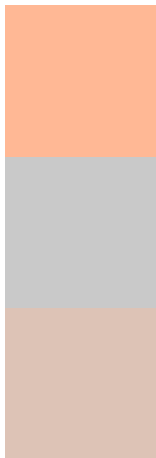
## Deuteranomaly

60.8511, 57.7664, 35.9598

## Tritanomaly

65.6003, 57.4423, 48.7043

# Monochromacy



## Original Color

63.8053, 57.7109, 36.2102

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

57.7774, 57.7798, 52.3634

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.8053, 57.7109, 36.2102 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 149) }
```

## Border

The CSS property to change the border of an element to XYZ 63.8053, 57.7109, 36.2102 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, 149) }
```



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

```
.border{ border-color:rgb(255, 184, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
149) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.8053, 57.7109, 36.2102 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, 149) }
```

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

```
.background{ background-color: rgb(255,  
184, 149) }
```

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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