

# Converting Colors

XYZ(63.4172, 58.1642, 40.4854)

Have a look what the booklet for  
XYZ(63.4172, 58.1642, 40.4854)  
contains.

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# Color

**XYZ(63.2413, 57.9450,  
40.6522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FABA9F
RGB	250, 186, 159
RGB Percent	98%, 73%, 62%
CMY	0.0196, 0.2706, 0.3765
CMYK	0.00, 0.26, 0.36, 0.02
HSL	18°, 90%, 80%
HSV	18°, 36%, 98%
XYZ	63.2413, 57.9450, 40.6522
YIQ	202.0580, 46.8110, 5.1710

# Conversions

## Conversions Part 2

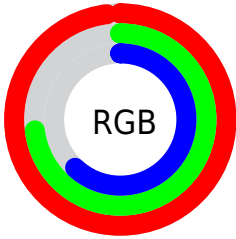
Format	Color
R <sub>Y</sub> B	250, 197, 159
Decimal	16431775
CIE Lab	80.71, 19.66, 22.72
CIE LCh	81, 30.049, 49.134
Yxy	57.9450, 0.3908, 0.3580
Android (android.graphics.Color)	4294621855 (0xFFFABA9F)
YUV	202.0580, -21.2276, 42.0451
Hunter-Lab	76.1216, 15.0837, 21.6217

# Details

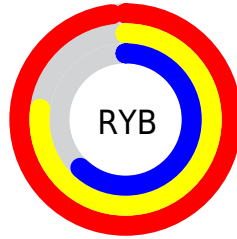
The XYZ color **63.2413, 57.9450, 40.6522** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.9402, 67.0461, 100.3301**, and the grayscale version is **56.2843, 59.2155, 64.4857**.

A 20% lighter version of the original color is **85.1297, 89.6193, 76.4298**, and **32.7796, 29.0431, 17.7881** is the 20% darker color. If you saturate the color by 10%, you get **57.8089, 50.2079, 29.1990**, and if you desaturate by 10%, it is **69.5712, 66.7746, 54.5702**.

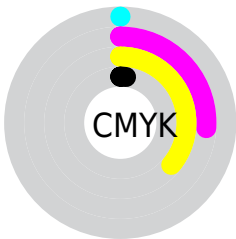
# Distribution



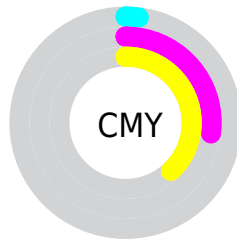
- Red (98%)
- Green (73%)
- Blue (62%)



- Red (98%)
- Yellow (77%)
- Blue (62%)



- Cyan (0%)
- Magenta (26%)
- Yellow (36%)
- Black (2%)




- Cyan (2%)
- Magenta (27%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2413, 57.9450, 40.6522 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 63.2413, 57.9450, 40.6522 by changing the saturation by 10% instead.




 63.2413, 57.9450,  
40.6522


 63.2413, 57.9450,  
40.6522


426.0904,  
416.9810, 364.4984

 46.2958, 41.7644,  
27.7298


 108.5974,  
101.8428, 77.4036

 32.6849, 28.9169,  
17.8848


 137.7388,  
130.3287, 102.0696

 22.0433, 19.0180,  
10.6987


171.6761,  
163.6853, 131.4872

 14.0055, 11.6833,  
5.7530

210.7749,  
202.2969, 166.0750

 8.2062, 6.5284,  
2.6291

255.4003,  
246.5479, 206.2514

 4.2801, 3.1690,  
0.9074

305.9178,

 1.8618, 1.2206,

296.8226, 252.4351

0.0000

362.6927,  
353.5055, 305.0446

■ 0.5545, 0.0784,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.2413, 57.9450,  
40.6522

■ 63.2413, 57.9450,  
40.6522

■ 57.8089, 50.2079,  
29.1990

■ 69.5712, 66.7746,  
54.5702

■ 53.2264, 43.5113,  
20.0616

■ 76.8342, 76.7294,  
71.0833

■ 49.4483, 37.8114,  
13.0799

■ 85.0691, 87.8510,  
90.3164

■ 46.4227, 33.0575,  
8.0719

■ 93.2344, 99.0640,  
108.8150

■ 44.0903, 29.1939,  
4.8246

■ 42.3806, 26.1576,  
3.0737

■ 41.8859, 25.2470,  
2.6655

# Harmonies

## Analogous

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



67.1113, 57.9450, 52.5590



63.2413, 57.9450, 40.6522



57.3509, 57.9450, 35.1721

# Triad

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



63.2413, 57.9450, 40.6522



44.1866, 57.9450, 56.8779



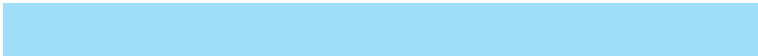
59.0720, 57.9450, 101.1169

# Complementary

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



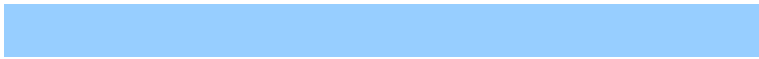
63.2413, 57.9450, 40.6522



57.9402, 67.0461, 100.3301

# 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.



52.8601, 57.9450, 102.8702



63.2413, 57.9450, 40.6522



44.5714, 57.9450, 74.9465

# Square

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



63.2413, 57.9450, 40.6522



46.5499, 57.9450, 43.3020



47.6438, 57.9450, 92.5636



64.5822, 57.9450, 88.1459



# Rectangle

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



63.2413, 57.9450, 40.6522



53.2058, 57.9450, 35.0510



47.6438, 57.9450, 92.5636



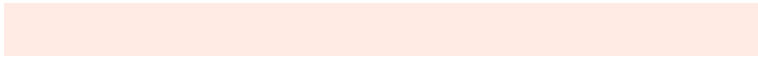
56.9874, 57.9450, 103.1184

# Sweetspot

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



63.2428, 57.9478, 40.6534



84.8851, 86.3770, 84.8354



65.3069, 50.5144, 76.9838



17.9196, 18.1514, 17.5764



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.



63.2428, 57.9478, 40.6534



61.7270, 54.3256, 33.1398



74.0584, 79.5790, 44.2586



17.6644, 18.0646, 18.0182



22.3260, 13.6087, 1.4500



2.1557, 1.4363, 0.1636

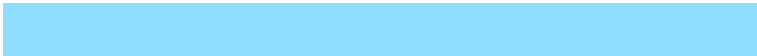


# Inverse Universe

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



57.9402, 67.0461, 100.3301



55.3857, 65.1270, 104.2594



47.6173, 46.4005, 96.8891



17.3054, 18.6877, 22.0803



17.4995, 20.3545, 50.9800



1.7130, 2.0696, 4.7524



# Previews

## White Background



This preview shows how the XYZ color 63.2413, 57.9450, 40.6522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

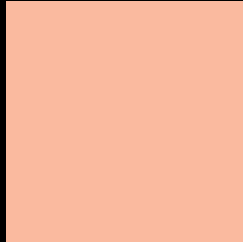
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.2413, 57.9450, 40.6522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

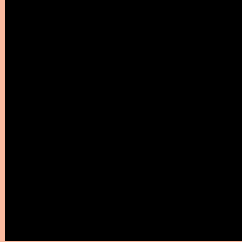
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.2413, 57.9450, 40.6522

## Background



This preview shows how black text looks on a background with the XYZ color 63.2413, 57.9450, 40.6522.



This preview shows how white text looks on a background with the XYZ color 63.2413, 57.9450,

40.6522.

# 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

63.2413, 57.9450, 40.6522

### Protanopia

54.6886, 58.0588, 44.4005

### Deuteranopia

59.5025, 58.2707, 40.4590



## Tritanopia

67.2473, 58.0587, 59.2919

# Trichromacy



## Original Color

63.2413, 57.9450, 40.6522

## Protanomaly

57.4900, 57.8433, 42.7852

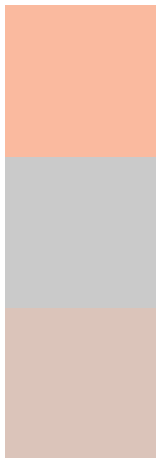
## Deuteranomaly

60.5202, 57.8208, 40.3185

## Tritanomaly

65.8850, 58.1270, 52.0031

# Monochromacy



## Original Color

63.2413, 57.9450, 40.6522

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

57.8163, 58.0851, 54.6187

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2413, 57.9450, 40.6522 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(250, 186, 159)` looks like.

```
.text, #text, p{  
    color:rgb(250, 186, 159)  
}
```

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(250, 186, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 186, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2413, 57.9450, 40.6522 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(250, 186, 159) }
```



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

```
.border{ border-color:rgb(250, 186, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 186, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 186, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 186, 159);  
box-shadow:4px 4px 4px 4px rgb(250, 186,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2413, 57.9450, 40.6522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 186, 159) }
```

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

```
.background{ background-color: rgb(250,  
186, 159) }
```

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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