

# Converting Colors

XYZ(64.1505, 53.1987, 57.0850)

Have a look what the booklet for  
XYZ(64.1505, 53.1987, 57.0850)  
contains.

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# Color

**XYZ(64.1452, 53.2952,  
57.3582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCAAC1
RGB	252, 170, 193
RGB Percent	99%, 67%, 76%
CMY	0.0118, 0.3333, 0.2431
CMYK	0.00, 0.33, 0.23, 0.01
HSL	343°, 93%, 83%
HSV	343°, 33%, 99%
XYZ	64.1452, 53.2952, 57.3582
YIQ	197.1400, 41.4890, 24.5370

# Conversions

## Conversions Part 2

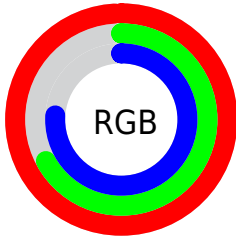
Format	Color
R <sub>Y</sub> B	252, 170, 193
Decimal	16558785
CIE Lab	78.05, 33.19, 0.63
CIE LCh	78, 33.199, 1.083
Yxy	53.2952, 0.3670, 0.3049
Android (android.graphics.Color)	4294748865 (0xFFFC AAC1)
YUV	197.1400, -2.0410, 48.1122
Hunter-Lab	73.0036, 29.0843, 4.5189

# Details

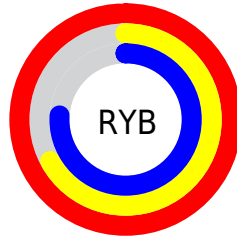
The XYZ color **64.1452, 53.2952, 57.3582** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.5331, 83.8252, 86.8589**, and the grayscale version is **53.1512, 55.9192, 60.8960**.

A 20% lighter version of the original color is **85.5352, 82.4923, 101.0369**, and **33.3430, 26.0854, 28.0886** is the 20% darker color. If you saturate the color by 10%, you get **57.9658, 43.9772, 45.9229**, and if you desaturate by 10%, it is **71.4811, 64.5282, 70.4038**.

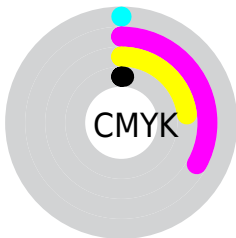
# Distribution



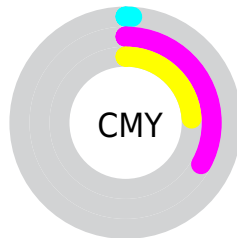
- Red (99%)
- Green (67%)
- Blue (76%)



- Red (99%)
- Yellow (67%)
- Blue (76%)



- Cyan (0%)
- Magenta (33%)
- Yellow (23%)
- Black (1%)



- Cyan (1%)
- Magenta (33%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1452, 53.2952, 57.3582 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 64.1452, 53.2952, 57.3582 by changing the saturation by 10% instead.



64.1452, 53.2952,  
57.3582

64.1452, 53.2952,  
57.3582

429.3077,  
399.4167, 432.3215

47.0304, 38.0385,  
40.8816

109.8926, 95.0386,  
102.4932

33.2677, 26.0126,  
27.9076

139.2559,  
122.2941, 131.9887

22.4918, 16.8330,  
18.0176

173.4327,  
154.3179, 166.6609

14.3374, 10.1155,  
10.7930

212.7885,  
191.4946, 206.9283

8.4390, 5.4756,  
5.8154

257.6885,  
234.2084, 253.2095

4.4312, 2.5289,  
2.6662

308.4982,

1.9489, 0.8911,

282.8437, 305.9231

0.9263

365.5828,  
337.7850, 365.4876

■ 0.6050, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.1452, 53.2952,  
57.3582

■ 64.1452, 53.2952,  
57.3582

■ 57.9658, 43.9772,  
45.9229

■ 71.4811, 64.5282,  
70.4038

■ 52.8774, 36.4593,  
36.0303

■ 80.0252, 77.7677,  
85.1171

■ 48.8151, 30.6259,  
27.6126

■ 89.8315, 93.1081,  
101.5564

■ 45.7046, 26.3447,  
20.5952

■ 93.9550, 99.4355,  
108.8488

■ 43.4609, 23.4633,  
14.8963

■ 41.9828, 21.7980,  
10.4241

■ 41.2718, 21.1462,  
7.8125

# Harmonies

## Analogous

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



62.3487, 53.2952, 77.0264



64.1452, 53.2952, 57.3582



62.0789, 53.2952, 41.5044

# Triad

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



64.1452, 53.2952, 57.3582



44.4980, 53.2952, 32.5441



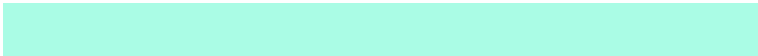
44.8729, 53.2952, 95.1531

# Complementary

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



64.1452, 53.2952, 57.3582



65.5331, 83.8252, 86.8589

# 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.



40.7272, 53.2952, 78.4446



64.1452, 53.2952, 57.3582



40.5241, 53.2952, 42.4448

# Square

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



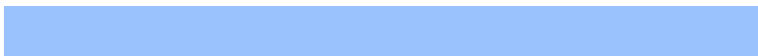
64.1452, 53.2952, 57.3582



50.4206, 53.2952, 29.1904



39.2035, 53.2952, 58.7058



50.8911, 53.2952, 101.4579



# Rectangle

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



64.1452, 53.2952, 57.3582



58.8826, 53.2952, 34.4806



39.2035, 53.2952, 58.7058



43.2328, 53.2952, 90.4135

# Sweetspot

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



64.1467, 53.2977, 57.3593



84.6330, 83.6698, 91.5431



64.1860, 52.4002, 98.8270



17.8243, 17.4554, 19.1029



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.



64.1467, 53.2977, 57.3593



61.6462, 48.3234, 51.1185



65.3358, 59.4671, 46.0682



17.4447, 17.3052, 18.9313



21.5527, 11.0368, 4.3528



2.0393, 1.0394, 0.6302



# Inverse Universe

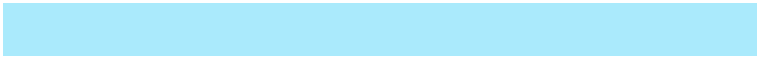
The Inverse Universe completely reimagines the original color for something new.



64.1467, 53.2977, 57.3593



61.6462, 48.3234, 51.1185



63.6395, 74.5546, 103.1320



17.4447, 17.3052, 18.9313



21.5527, 11.0368, 4.3528



2.0393, 1.0394, 0.6302



# Previews

## White Background



This preview shows how the XYZ color 64.1452, 53.2952, 57.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

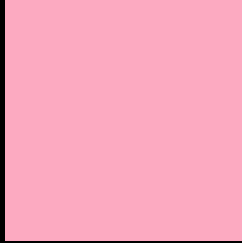
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.1452, 53.2952, 57.3582 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

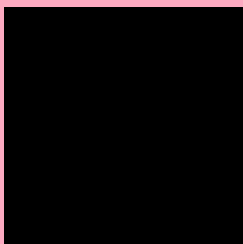
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.1452, 53.2952, 57.3582**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.1452, 53.2952, 57.3582.



This preview shows how white text looks on a background with the XYZ color 64.1452, 53.2952,



# 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

64.1452, 53.2952, 57.3582

### Protanopia

51.9825, 53.4930, 65.9779

### Deuteranopia

54.5052, 53.4045, 56.1506



## Tritanopia

62.9983, 53.0957, 52.2755

# Trichromacy



## Original Color

64.1452, 53.2952, 57.3582



## Protanomaly

55.4147, 52.7942, 62.5280



## Deuteranomaly

57.6064, 53.1402, 56.5111



## Tritanomaly

63.3162, 53.2229, 53.9496

# Monochromacy



## Original Color

64.1452, 53.2952, 57.3582



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

56.3494, 54.2779, 59.7313

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.1452, 53.2952, 57.3582 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(252, 170, 193)` looks like.

```
.text, #text, p{  
    color:rgb(252, 170, 193)  
}
```

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(252, 170, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 170, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 64.1452, 53.2952, 57.3582 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(252, 170, 193) }
```



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

```
.border{ border-color:rgb(252, 170, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 170, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 170, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 170, 193);  
box-shadow:4px 4px 4px 4px rgb(252, 170,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.1452, 53.2952, 57.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 170, 193) }
```

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

```
.background{ background-color: rgb(252,  
170, 193) }
```

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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