

# Converting Colors

XYZ(63.4780, 52.1387, 56.5873)

Have a look what the booklet for  
XYZ(63.4780, 52.1387, 56.5873)  
contains.

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# Color

**XYZ(63.4780, 52.1387,  
56.5873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCA7C0
RGB	252, 167, 192
RGB Percent	99%, 65%, 75%
CMY	0.0118, 0.3451, 0.2471
CMYK	0.00, 0.34, 0.24, 0.01
HSL	342°, 93%, 82%
HSV	342°, 34%, 99%
XYZ	63.4780, 52.1387, 56.5873
YIQ	195.2650, 42.6350, 25.7950

# Conversions

## Conversions Part 2

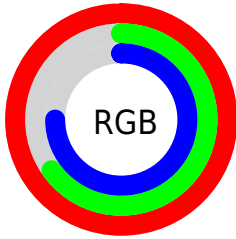
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 167, 192
Decimal	16558016
CIE Lab	77.36, 34.62, 0.17
CIE LCh	77, 34.621, 0.286
Yxy	52.1387, 0.3686, 0.3028
Android (android.graphics.Color)	4294748096 (0xFFFC A7C0)
YUV	195.2650, -1.6096, 49.7566
Hunter-Lab	72.2071, 30.5586, 4.0806

# Details

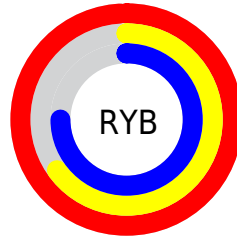
The XYZ color **63.4780, 52.1387, 56.5873** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.6141, 83.3836, 85.3663**, and the grayscale version is **52.0226, 54.7318, 59.6029**.

A 20% lighter version of the original color is **84.5710, 80.8127, 99.9480**, and **32.9256, 25.3680, 27.5872** is the 20% darker color. If you saturate the color by 10%, you get **57.4499, 43.0482, 45.4339**, and if you desaturate by 10%, it is **70.6468, 63.1283, 69.2975**.

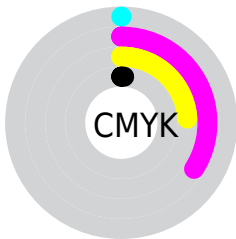
# Distribution



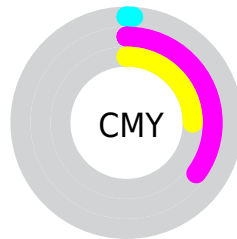
- Red (99%)
- Green (65%)
- Blue (75%)



- Red (99%)
- Yellow (65%)
- Blue (75%)



- Cyan (0%)
- Magenta (34%)
- Yellow (24%)
- Black (1%)




- Cyan (1%)
- Magenta (35%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4780, 52.1387, 56.5873 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 63.4780, 52.1387, 56.5873 by changing the saturation by 10% instead.





 63.4780, 52.1387,  
56.5873


 63.4780, 52.1387,  
56.5873


426.9343,  
394.9718, 429.3514

 46.4881, 37.1156,  
40.2668

 108.9368, 93.3358,  
101.3571

 32.8374, 25.2970,  
27.4313


 138.1364,  
120.2786, 130.6435

 22.1606, 16.2985,  
17.6621


172.1366,  
151.9634, 165.0890

 14.0922, 9.7356,  
10.5407

211.3028,  
188.7746, 205.1121

 8.2669, 5.2240,  
5.6487

256.0003,  
231.0967, 251.1314

 4.3195, 2.3793,  
2.5673

306.5945,

 1.8844, 0.8152,

279.3140, 303.5653

0.8755

363.4507,  
333.8109, 362.8325

■ 0.5678, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.4780, 52.1387,  
56.5873

■ 63.4780, 52.1387,  
56.5873

■ 57.4499, 43.0482,  
45.4339

■ 70.6468, 63.1283,  
69.2975

■ 52.4971, 35.7412,  
35.7722

■ 79.0081, 76.1092,  
83.6197

■ 48.5543, 30.1007,  
27.5367

■ 88.6158, 91.1766,  
99.6102

■ 45.5469, 25.9927,  
20.6555

■ 93.9550, 99.4355,  
108.8488

■ 43.3891, 23.2622,  
15.0495

■ 41.9777, 21.7205,  
10.6297

■ 41.3846, 21.1914,  
8.4066

# Harmonies

## Analogous

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



61.5153, 52.1387, 76.9306



63.4780, 52.1387, 56.5873



61.4415, 52.1387, 40.2283

# Triad

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



63.4780, 52.1387, 56.5873



43.3818, 52.1387, 30.6506



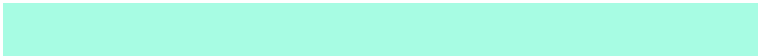
43.4832, 52.1387, 94.8962

# Complementary

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



63.4780, 52.1387, 56.5873



64.6141, 83.3836, 85.3663

# 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.



39.3120, 52.1387, 77.3195



63.4780, 52.1387, 56.5873



39.2573, 52.1387, 40.4809

# Square

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



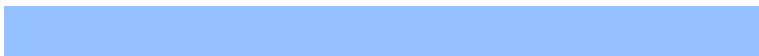
63.4780, 52.1387, 56.5873



49.4924, 52.1387, 27.4541



37.8351, 52.1387, 56.9535



49.6202, 52.1387, 101.8422



# Rectangle

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



63.4780, 52.1387, 56.5873



58.1859, 52.1387, 32.9976



37.8351, 52.1387, 56.9535



41.8251, 52.1387, 89.8664

# Sweetspot

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



63.4795, 52.1412, 56.5883



84.6838, 83.6901, 91.8104



62.9124, 50.9182, 98.6080



17.8366, 17.4603, 19.1672



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.



63.4795, 52.1412, 56.5883



61.1780, 47.4612, 50.7339



64.2622, 57.7689, 44.3259



17.4546, 17.3092, 18.9836



21.6134, 11.0611, 4.6724



2.0460, 1.0421, 0.6655



# Inverse Universe

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



63.4795, 52.1412, 56.5883



61.1780, 47.4612, 50.7339



63.2172, 74.6620, 103.1750



17.4546, 17.3092, 18.9836



21.6134, 11.0611, 4.6724



2.0460, 1.0421, 0.6655



# Previews

## White Background



This preview shows how the XYZ color 63.4780, 52.1387, 56.5873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

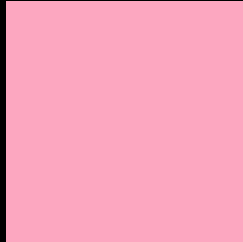
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4780, 52.1387, 56.5873 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 63.4780, 52.1387, 56.5873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.4780, 52.1387, 56.5873.



This preview shows how white text looks on a background with the XYZ color 63.4780, 52.1387,



# 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

63.4780, 52.1387, 56.5873

### Protanopia

51.0399, 52.3595, 65.8088

### Deuteranopia

53.3982, 52.2209, 55.4094



## Tritanopia

62.4151, 52.2626, 51.0540

# Trichromacy



## Original Color

63.4780, 52.1387, 56.5873



## Protanomaly

54.7111, 51.8191, 62.3768



## Deuteranomaly

56.5787, 51.7272, 55.7175



## Tritanomaly

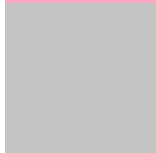
62.6492, 52.0597, 53.2009

# Monochromacy



## Original Color

63.4780, 52.1387, 56.5873



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

55.4055, 53.1919, 58.3858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4780, 52.1387, 56.5873 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, 167, 192)` looks like.

```
.text, #text, p{  
    color:rgb(252, 167, 192)  
}
```

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, 167, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 167, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4780, 52.1387, 56.5873 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, 167, 192) }
```



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

```
.border{ border-color:rgb(252, 167, 192) }
```

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

Here you see how a box with a 4 pixel rgb(252, 167, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 167, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 167, 192);  
box-shadow:4px 4px 4px 4px rgb(252, 167,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4780, 52.1387, 56.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 167, 192) }
```

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

```
.background{ background-color: rgb(252,  
167, 192) }
```

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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