

# Converting Colors

XYZ(66.3758, 57.3820, 71.6962)

Have a look what the booklet for  
XYZ(66.3758, 57.3820, 71.6962)  
contains.

<b>XYZ(66.4458, 57.3665, 71.8607)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(66.4458, 57.3665,  
71.8607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5B5D7
RGB	245, 181, 215
RGB Percent	96%, 71%, 84%
CMY	0.0392, 0.2902, 0.1569
CMYK	0.00, 0.26, 0.12, 0.04
HSL	328°, 76%, 84%
HSV	328°, 26%, 96%
XYZ	66.4458, 57.3665, 71.8607
YIQ	204.0120, 27.2300, 24.1420

# Conversions

## Conversions Part 2

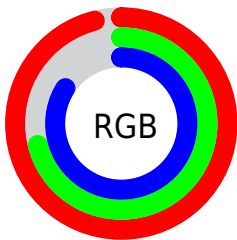
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 181, 215
Decimal	16102871
CIE Lab	80.39, 28.30, -7.95
CIE LCh	80, 29.399, 344.314
Yxy	57.3665, 0.3396, 0.2932
Android (android.graphics.Color)	4294292951 (0xFFF5B5D7)
YUV	204.0120, 5.4171, 35.9465
Hunter-Lab	75.7407, 24.0483, -3.2343

# Details

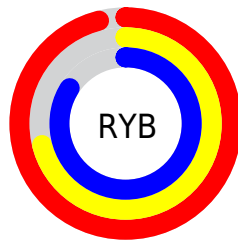
The XYZ color **66.4458, 57.3665, 71.8607** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.4687, 79.8333, 73.6960**, and the grayscale version is **57.3583, 60.3454, 65.7161**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **34.8034, 28.6678, 36.9568** is the 20% darker color. If you saturate the color by 10%, you get **60.4711, 47.6961, 62.8418**, and if you desaturate by 10%, it is **73.4034, 68.8354, 81.7197**.

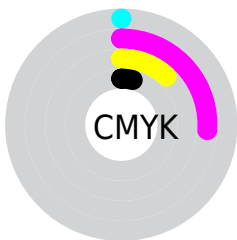
# Distribution



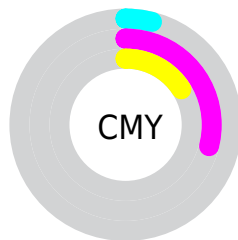
- Red (96%)
- Green (71%)
- Blue (84%)



- Red (96%)
- Yellow (71%)
- Blue (84%)



- Cyan (0%)
- Magenta (26%)
- Yellow (12%)
- Black (4%)



- Cyan (4%)
- Magenta (29%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.4458, 57.3665, 71.8607 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 66.4458, 57.3665, 71.8607 by changing the saturation by 10% instead.



66.4458, 57.3665,  
71.8607

66.4458, 57.3665,  
71.8607

437.4331,  
414.8212, 486.0211

48.9034, 41.2996,  
52.5588

113.1801,  
100.9998, 123.5643

34.7571, 28.5532,  
37.0653

143.1028,  
129.3349, 156.8031

23.6415, 18.7431,  
24.9619

177.8829,  
162.5282, 195.5246

15.1912, 11.4848,  
15.8299

217.8859,  
200.9641, 240.1473

9.0408, 6.3939,  
9.2508

263.4770,  
245.0269, 291.0897

4.8252, 3.0861,  
4.8061


315.0217,


2.1787, 1.1768,


295.1011, 348.7705


2.0772


372.8853,  
351.5711, 413.6081


 0.7315, 0.0427,  
0.6022


 0.0000, 0.0000,  
0.0000


 66.4458, 57.3665,  
71.8607


 66.4458, 57.3665,  
71.8607


 60.4711, 47.6961,  
62.8418


 73.4034, 68.8354,  
81.7197


 55.4264, 39.7238,  
54.6331

 81.3835, 82.1810,  
92.4402

 51.2610, 33.3513,  
47.2076

 90.4294, 97.4860,  
104.0471

 47.9173, 28.4668,  
40.5348

 91.4665, 98.1527,  
108.7323

■ 45.3302, 24.9440,  
34.5817

■ 43.4240, 22.6351,  
29.3110

■ 42.1051, 21.3571,  
24.6791

■ 41.6958, 21.0284,  
23.0327

# Harmonies

## Analogous

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



63.0178, 57.3665, 89.3117



66.4458, 57.3665, 71.8607



66.5277, 57.3665, 54.6196

# Triad

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



66.4458, 57.3665, 71.8607



51.7131, 57.3665, 35.5324



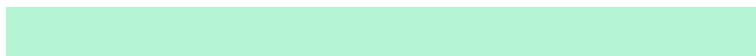
46.6551, 57.3665, 88.6012

# Complementary

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



66.4458, 57.3665, 71.8607



63.4687, 79.8333, 73.6960

# 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.



44.0607, 57.3665, 71.0221



66.4458, 57.3665, 71.8607



46.8319, 57.3665, 41.6182

# Square

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



66.4458, 57.3665, 71.8607



57.7149, 57.3665, 35.6736



44.1230, 57.3665, 53.9214



51.4551, 57.3665, 100.1231



# Rectangle

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



66.4458, 57.3665, 71.8607



64.6556, 57.3665, 45.5762



44.1230, 57.3665, 53.9214



45.5123, 57.3665, 83.0760

# Sweetspot

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



66.4475, 57.3691, 71.8619



87.3821, 87.0672, 98.9364



59.8334, 53.4724, 93.5547



18.4127, 18.1484, 20.7903



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.



66.4475, 57.3691, 71.8619



69.4029, 57.3500, 73.7021



62.7433, 55.8874, 52.3560



16.8671, 16.6297, 19.0465



22.5328, 11.3566, 12.7802



2.0323, 1.0189, 1.3967



# Inverse Universe

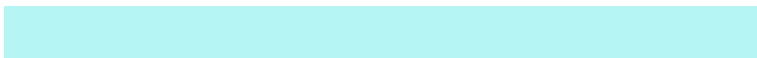
The Inverse Universe completely reimagines the original color for something new.



66.4475, 57.3691, 71.8619



69.4029, 57.3500, 73.7021



67.8678, 81.5930, 96.8614



16.8671, 16.6297, 19.0465



22.5328, 11.3566, 12.7802



2.0323, 1.0189, 1.3967



# Previews

## White Background



This preview shows how the XYZ color 66.4458, 57.3665, 71.8607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

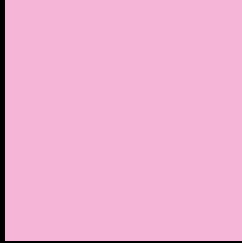
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.4458, 57.3665, 71.8607 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 66.4458, 57.3665, 71.8607**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.4458, 57.3665, 71.8607.



This preview shows how white text looks on a background with the XYZ color 66.4458, 57.3665,

71.8607.

# 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

66.4458, 57.3665, 71.8607

### Protanopia

56.6865, 57.6149, 80.0846

### Deuteranopia

58.7426, 57.5338, 70.9599



## Tritanopia

64.2957, 57.4129, 61.1191

# Trichromacy



## Original Color

66.4458, 57.3665, 71.8607

## Protanomaly

59.7660, 57.2693, 77.0113

## Deuteranomaly

61.3865, 57.2578, 71.4348

## Tritanomaly

65.1408, 57.4597, 64.7843

# Monochromacy



## Original Color

66.4458, 57.3665, 71.8607

## Achromatopsia

57.3938, 60.3827, 65.7568

## Achromatomaly

60.3385, 59.0940, 67.9006

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.4458, 57.3665, 71.8607 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(245, 181, 215)` looks like.

```
.text, #text, p{  
    color:rgb(245, 181, 215)  
}
```

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(245, 181, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 181, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 66.4458, 57.3665, 71.8607 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".

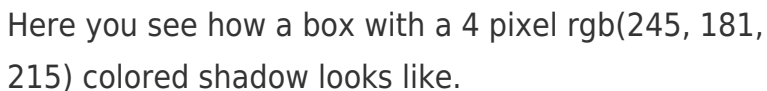
```
.border, #border, table{ border:4px solid rgb(245, 181, 215) }
```



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

```
.border{ border-color:rgb(245, 181, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(245, 181, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 181, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 181, 215); box-shadow:4px 4px 4px 4px rgb(245, 181, 215) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.4458, 57.3665, 71.8607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 181, 215) }
```

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

```
.background{ background-color: rgb(245,  
181, 215) }
```

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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