

# Converting Colors

XYZ(107.8651, 78.0380,  
76.5758)

Have a look what the booklet for XYZ(107.8651, 78.0380, 76.5758) contains.

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# Color

**XYZ(70.1463, 58.6147,  
74.6345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB3DB
RGB	255, 179, 219
RGB Percent	100%, 70%, 86%
CMY	0.0000, 0.2980, 0.1412
CMYK	0.00, 0.30, 0.14, 0.00
HSL	328°, 100%, 85%
HSV	328°, 30%, 100%
XYZ	70.1463, 58.6147, 74.6345
YIQ	206.2840, 32.4560, 28.5520

# Conversions

## Conversions Part 2

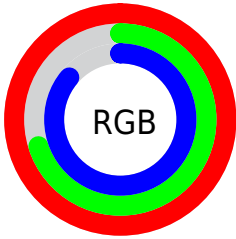
Format	Color
R <sub>Y</sub> B	255, 179, 219
Decimal	16757723
CIE Lab	81.08, 33.40, -8.96
CIE LCh	81, 34.584, 344.978
Yxy	58.6147, 0.3449, 0.2882
Android (android.graphics.Color)	4294947803 (0xFFFFB3DB)
YUV	206.2840, 6.2690, 42.7239
Hunter-Lab	76.5602, 29.5655, -4.2065

# Details

The XYZ color **70.1463, 58.6147, 74.6345** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.6182, 86.0110, 77.3840**, and the grayscale version is **58.7960, 61.8579, 67.3633**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **37.0604, 29.2179, 38.8083** is the 20% darker color. If you saturate the color by 10%, you get **63.9672, 48.7097, 65.0117**, and if you desaturate by 10%, it is **77.3886, 70.4608, 85.1826**.

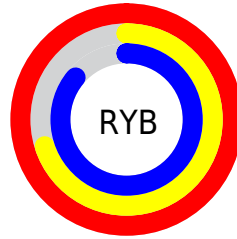
# Distribution



Red (100%)

Green (70%)

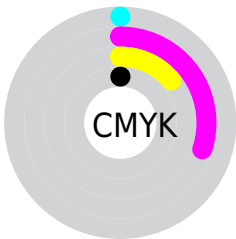
Blue (86%)



Red (100%)

Yellow (70%)

Blue (86%)

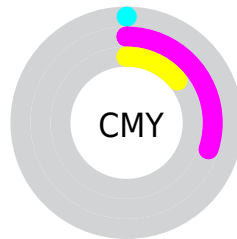


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (30%)


Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1463, 58.6147, 74.6345 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 70.1463, 58.6147, 74.6345 by changing the saturation by 10% instead.




 70.1463, 58.6147,  
74.6345

 70.1463, 58.6147,  
74.6345


450.3219,  
419.4726, 495.8822

 51.9258, 42.3030,  
54.8136


 118.4425,  
102.8175, 127.5372

 37.1700, 29.3386,  
38.8549

149.2489,  
131.4773, 161.4560

 25.5134, 19.3372,  
26.3399


184.9814,  
165.0221, 200.9113

 16.5907, 11.9141,  
16.8501

226.0053,  
203.8361, 246.3214

 10.0366, 6.6852,  
9.9668

272.6860,  
248.3037, 298.1051

 5.4857, 3.2660,  
5.2716

325.3887,

 2.5726, 1.2722,

298.8094, 356.6807

2.3460

384.4789,  
355.7376, 422.4669

■ 0.9320, 0.1195,  
0.7568

■ 0.0000, 0.0000,  
0.0000

■ 70.1463, 58.6147,  
74.6345

■ 70.1463, 58.6147,  
74.6345

■ 63.9672, 48.7097,  
65.0117

■ 77.3886, 70.4608,  
85.1826

■ 58.7924, 40.6329,  
56.2804

■ 85.7404, 84.3378,  
96.6808

■ 54.5638, 34.2716,  
48.4095

95.0500, 100.0000,  
108.9000

■ 51.2148, 29.4968,  
41.3640

■ 48.6697, 26.1616,  
35.1053

■ 46.8387, 24.0907,  
29.5896

■ 45.5796, 23.0046,  
24.7551

■ 45.5574, 22.9869,  
24.6649

# Harmonies

## Analogous

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



66.0569, 58.6147, 96.0958



70.1463, 58.6147, 74.6345



70.1496, 58.6147, 54.1335

# Triad

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



70.1463, 58.6147, 74.6345



52.2172, 58.6147, 32.7252



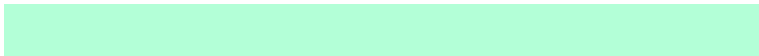
46.5002, 58.6147, 96.0671

# Complementary

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



70.1463, 58.6147, 74.6345



66.6182, 86.0110, 77.3840

# 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.



43.4043, 58.6147, 74.6013



70.1463, 58.6147, 74.6345



46.5070, 58.6147, 39.7277

# Square

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



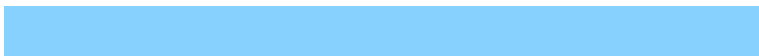
70.1463, 58.6147, 74.6345



59.3692, 58.6147, 32.7303



43.4067, 58.6147, 54.1067



52.2072, 58.6147, 110.1627



# Rectangle

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



70.1463, 58.6147, 74.6345



67.8138, 58.6147, 43.7230



43.4067, 58.6147, 54.1067



45.1422, 58.6147, 89.2923

# Sweetspot

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



70.1477, 58.6172, 74.6357



86.4593, 85.5408, 97.6443



62.0403, 53.8296, 101.7280



18.2277, 17.8440, 20.5265



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.



70.1477, 58.6172, 74.6357



66.1951, 52.2544, 68.5634



65.7573, 56.8611, 51.5162



18.4088, 18.1468, 20.7699



23.8808, 12.0416, 13.2887



2.3804, 1.1945, 1.5848



# Inverse Universe

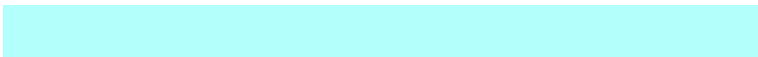
The Inverse Universe completely reimagines the original color for something new.



70.1477, 58.6172, 74.6357



66.1951, 52.2544, 68.5634



71.9966, 88.1624, 105.7063



18.4088, 18.1468, 20.7699



23.8808, 12.0416, 13.2887



2.3804, 1.1945, 1.5848



# Previews

## White Background



This preview shows how the XYZ color 70.1463, 58.6147, 74.6345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

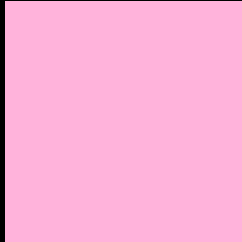
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1463, 58.6147, 74.6345 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 70.1463, 58.6147, 74.6345**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.1463, 58.6147, 74.6345.



This preview shows how white text looks on a background with the XYZ color 70.1463, 58.6147,



# 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

70.1463, 58.6147, 74.6345

### Protanopia

57.9847, 58.8705, 84.6510

### Deuteranopia

60.1589, 58.8848, 73.1609



## Tritanopia

67.1564, 58.5936, 60.5935

# Trichromacy



## Original Color

70.1463, 58.6147, 74.6345



## Protanomaly

61.3300, 57.9970, 80.6352



## Deuteranomaly

63.5710, 58.6597, 73.6175



## Tritanomaly

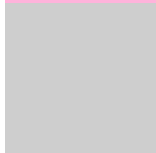
68.2554, 58.7463, 65.4993

# Monochromacy



## Original Color

70.1463, 58.6147, 74.6345



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

62.2383, 60.0303, 69.9347

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1463, 58.6147, 74.6345 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, 179, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 219)  
}
```

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, 179, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1463, 58.6147, 74.6345 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, 179, 219) }
```



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

```
.border{ border-color:rgb(255, 179, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1463, 58.6147, 74.6345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 219) }
```

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

```
.background{ background-color: rgb(255,  
179, 219) }
```

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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