

# Converting Colors

XYZ(69.7115, 58.2091, 73.2696)

Have a look what the booklet for  
XYZ(69.7115, 58.2091, 73.2696)  
contains.

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# Color

**XYZ(69.6848, 58.1105,  
73.1893)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB2D9
RGB	255, 178, 217
RGB Percent	100%, 70%, 85%
CMY	0.0000, 0.3019, 0.1490
CMYK	0.00, 0.30, 0.15, 0.00
HSL	330°, 100%, 85%
HSV	330°, 30%, 100%
XYZ	69.6848, 58.1105, 73.1893
YIQ	205.4690, 33.3730, 28.4530

# Conversions

## Conversions Part 2

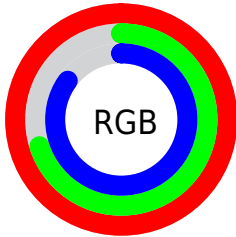
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 178, 217
Decimal	16757465
CIE Lab	80.80, 33.61, -8.30
CIE LCh	81, 34.622, 346.130
Yxy	58.1105, 0.3467, 0.2891
Android (android.graphics.Color)	4294947545 (0xFFFFB2D9)
YUV	205.4690, 5.6848, 43.4387
Hunter-Lab	76.2302, 29.7703, -3.5637

# Details

The XYZ color **69.6848, 58.1105, 73.1893** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.5168, 85.9438, 78.0520**, and the grayscale version is **58.2782, 61.3132, 66.7701**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **36.7552, 28.8943, 37.8224** is the 20% darker color. If you saturate the color by 10%, you get **63.4996, 48.2607, 63.3572**, and if you desaturate by 10%, it is **76.9405, 69.9012, 83.9956**.

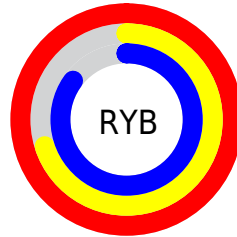
# Distribution



Red (100%)

Green (70%)

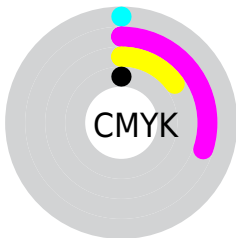
Blue (85%)



Red (100%)

Yellow (70%)

Blue (85%)

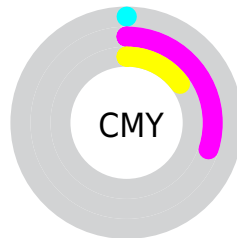


Cyan (0%)

Magenta (30%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6848, 58.1105, 73.1893 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 69.6848, 58.1105, 73.1893 by changing the saturation by 10% instead.



69.6848, 58.1105,  
73.1893

69.6848, 58.1105,  
73.1893

448.7262,  
417.5976, 490.7590

51.5483, 41.8975,  
53.6380

117.7879,  
102.0838, 125.4693

36.8680, 29.0210,  
37.9211

148.4851,  
130.6128, 159.0351

25.2785, 19.0967,  
25.6201

184.1000,  
164.0160, 198.1095

16.4145, 11.7402,  
16.3165

224.9979,  
202.6776, 243.1110

9.9106, 6.5670,  
9.5916

271.5441,  
246.9823, 294.4581

5.4016, 3.1928,  
5.0270

324.1039,

2.5219, 1.2332,

297.3142, 352.5695

2.2041

383.0429,  
354.0578, 417.8636

0.9063, 0.0886,  
0.6767

0.0000, 0.0000,  
0.0000

69.6848, 58.1105,  
73.1893

69.6848, 58.1105,  
73.1893

63.4996, 48.2607,  
63.3572

76.9405, 69.9012,  
83.9956

58.3259, 40.2386,  
54.4638

85.3137, 83.7230,  
95.8029

54.1046, 33.9306,  
46.4761

94.8534, 99.6695,  
108.6409

50.7686, 29.2072,  
39.3569

95.0500, 100.0000,  
108.9000

■ 48.2414, 25.9203,  
33.0656

■ 46.4321, 23.8933,  
27.5559

■ 45.2124, 22.8490,  
22.8485

# Harmonies

## Analogous

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



65.7490, 58.1105, 94.6730



69.6848, 58.1105, 73.1893



69.5211, 58.1105, 52.9515

# Triad

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



69.6848, 58.1105, 73.1893



51.5000, 58.1105, 32.4831



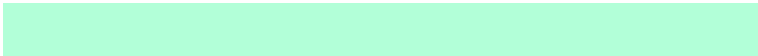
46.2411, 58.1105, 96.1165

# Complementary

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



69.6848, 58.1105, 73.1893



66.5168, 85.9438, 78.0520

# 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.



43.0491, 58.1105, 74.8543



69.6848, 58.1105, 73.1893



45.9014, 58.1105, 39.7185

# Square

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



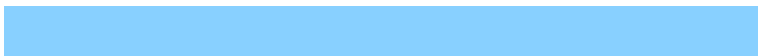
69.6848, 58.1105, 73.1893



58.5943, 58.1105, 32.2261



42.9304, 58.1105, 54.2945



52.0014, 58.1105, 109.7170



# Rectangle

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



69.6848, 58.1105, 73.1893



67.0982, 58.1105, 42.7793



42.9304, 58.1105, 54.2945



44.8549, 58.1105, 89.4451

# Sweetspot

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



69.6861, 58.1130, 73.1905



86.3903, 85.5132, 97.2807



62.0605, 53.5435, 101.6717



18.2107, 17.8372, 20.4370



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.



69.6861, 58.1130, 73.1905



65.9675, 52.1634, 67.3647



65.3275, 56.3695, 50.2386



18.3933, 18.1406, 20.6880



23.7000, 11.9693, 12.3368



2.3628, 1.1875, 1.4917



# Inverse Universe

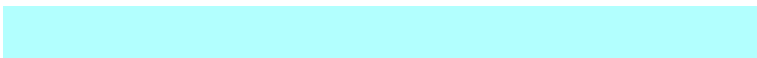
The Inverse Universe completely reimagines the original color for something new.



69.6861, 58.1130, 73.1905



65.9675, 52.1634, 67.3647



71.9655, 88.1233, 106.7448



18.3933, 18.1406, 20.6880



23.7000, 11.9693, 12.3368



2.3628, 1.1875, 1.4917



# Previews

## White Background



This preview shows how the XYZ color 69.6848, 58.1105, 73.1893 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

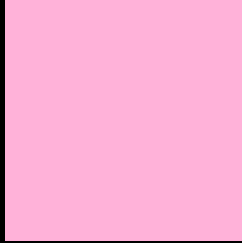
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.6848, 58.1105, 73.1893 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 69.6848, 58.1105, 73.1893**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.6848, 58.1105, 73.1893.



This preview shows how white text looks on a background with the XYZ color 69.6848, 58.1105,

73.1893.

# 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

69.6848, 58.1105, 73.1893

### Protanopia

57.6122, 58.3521, 83.8279

### Deuteranopia

59.6770, 58.3323, 71.7323



## Tritanopia

66.8366, 58.1369, 59.9234

# Trichromacy



## Original Color

69.6848, 58.1105, 73.1893



## Protanomaly

60.9735, 57.5043, 79.8373



## Deuteranomaly

63.0965, 58.1245, 72.1836



## Tritanomaly

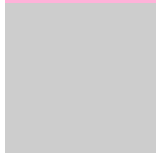
67.9310, 58.2900, 64.7975

# Monochromacy



## Original Color

69.6848, 58.1105, 73.1893



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

61.4552, 59.3216, 68.5328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.6848, 58.1105, 73.1893 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, 178, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 217)  
}
```

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, 178, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 69.6848, 58.1105, 73.1893 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, 178, 217) }
```



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

```
.border{ border-color:rgb(255, 178, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 178, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.6848, 58.1105, 73.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 217) }
```

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

```
.background{ background-color: rgb(255,  
178, 217) }
```

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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