

# Converting Colors

XYZ(107.9085, 78.8470,  
68.7204)

Have a look what the booklet for  
XYZ(107.9085, 78.8470, 68.7204)  
contains.

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# Color

**XYZ(69.0264, 58.8127,  
66.7454)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB5CF
RGB	255, 181, 207
RGB Percent	100%, 71%, 81%
CMY	0.0000, 0.2902, 0.1882
CMYK	0.00, 0.29, 0.19, 0.00
HSL	339°, 100%, 85%
HSV	339°, 29%, 100%
XYZ	69.0264, 58.8127, 66.7454
YIQ	206.0900, 35.7580, 23.7740

# Conversions

## Conversions Part 2

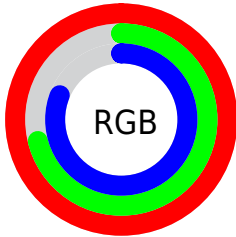
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 181, 207
Decimal	16758223
CIE <sub>Lab</sub>	81.19, 30.51, -2.33
CIE <sub>LCh</sub>	81, 30.603, 355.634
Yxy	58.8127, 0.3547, 0.3022
Android (android.graphics.Color)	4294948303 (0xFFFFB5CF)
YUV	206.0900, 0.4486, 42.8941
Hunter-Lab	76.6894, 26.4572, 2.0805

# Details

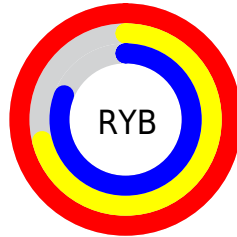
The XYZ color **69.0264, 58.8127, 66.7454** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **68.9610, 87.0019, 87.2907**, and the grayscale version is **58.7062, 61.7635, 67.2605**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **36.3651, 29.3490, 33.8853** is the 20% darker color. If you saturate the color by 10%, you get **62.3903, 48.6093, 55.0733**, and if you desaturate by 10%, it is **76.8259, 71.0037, 79.8522**.

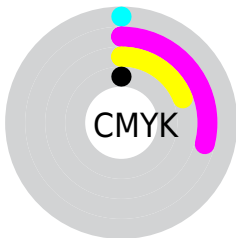
# Distribution



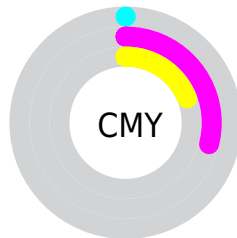
- Red (100%)
- Green (71%)
- Blue (81%)



- Red (100%)
- Yellow (71%)
- Blue (81%)



- Cyan (0%)
- Magenta (29%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (29%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0264, 58.8127, 66.7454 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 69.0264, 58.8127, 66.7454 by changing the saturation by 10% instead.





 69.0264, 58.8127,  
66.7454

 69.0264, 58.8127,  
66.7454


446.4440,  
420.2075, 467.5148

 51.0099, 42.4624,  
48.4175


 116.8531,  
103.1054, 116.1927

 36.4376, 29.4635,  
33.7953


147.3941,  
131.8165, 148.1491

 24.9440, 19.4317,  
22.4603


182.8407,  
165.4167, 185.4855

 16.1639, 11.9827,  
13.9939

223.5581,  
204.2904, 228.6203

 9.7318, 6.7319,  
7.9778

269.9118,  
248.8219, 277.9721

 5.2824, 3.2950,  
3.9931


322.2671,

 2.4503, 1.2876,


299.3957, 333.9594


1.6216


380.9894,  
356.3960, 397.0008


 0.8703, 0.1316,  
0.3061


 0.0000, 0.0000,  
0.0000


 69.0264, 58.8127,  
66.7454


 69.0264, 58.8127,  
66.7454

 62.3903, 48.6093,  
55.0733


 76.8259, 71.0037,  
79.8522

 56.8554, 40.2797,  
44.7808

 85.8390, 85.2729,  
94.4387

 52.3594, 33.7100,  
35.8143

95.0500, 100.0000,  
108.9000

 48.8319, 28.7710,  
28.1148

■ 46.1930, 25.3153,  
21.6181

■ 44.3490, 23.1682,  
16.2528

■ 43.1646, 22.0734,  
11.9309

■ 43.0679, 21.9911,  
11.5554

# Harmonies

## Analogous

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



66.6342, 58.8127, 85.9540



69.0264, 58.8127, 66.7454



67.6882, 58.8127, 50.0260

# Triad

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



69.0264, 58.8127, 66.7454



50.7655, 58.8127, 37.3273



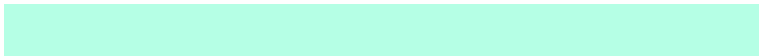
49.2656, 58.8127, 97.5837

# Complementary

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



69.0264, 58.8127, 66.7454



68.9610, 87.0019, 87.2907

# 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.



45.5661, 58.8127, 80.4466



69.0264, 58.8127, 66.7454



46.3848, 58.8127, 46.2035

# Square

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



69.0264, 58.8127, 66.7454



56.8376, 58.8127, 35.0372



44.5526, 58.8127, 61.4029



54.9722, 58.8127, 105.7781



# Rectangle

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



69.0264, 58.8127, 66.7454



64.9110, 58.8127, 42.0871



44.5526, 58.8127, 61.4029



47.7635, 58.8127, 92.5365

# Sweetspot

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



69.0277, 58.8152, 66.7466



85.8556, 85.2993, 94.4652



66.5284, 56.7427, 102.0538



18.0793, 17.7846, 19.7450



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.



69.0277, 58.8152, 66.7466



64.9209, 52.4777, 59.5939



68.1840, 61.8022, 52.0546



18.2729, 18.0925, 20.0542



22.5676, 11.5163, 6.3734



2.2468, 1.1411, 0.8811



# Inverse Universe

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



69.0277, 58.8152, 66.7466



64.9209, 52.4777, 59.5939



69.8005, 82.4305, 106.8395



18.2729, 18.0925, 20.0542



22.5676, 11.5163, 6.3734



2.2468, 1.1411, 0.8811



# Previews

## White Background



This preview shows how the XYZ color 69.0264, 58.8127, 66.7454 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

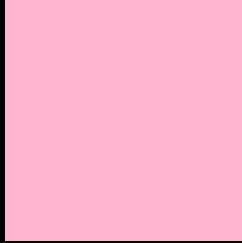
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0264, 58.8127, 66.7454 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

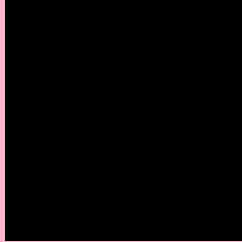
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 69.0264, 58.8127, 66.7454

## Background



This preview shows how black text looks on a background with the XYZ color 69.0264, 58.8127, 66.7454.



This preview shows how white text looks on a background with the XYZ color 69.0264, 58.8127,



# 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

69.0264, 58.8127, 66.7454

### Protanopia

57.7602, 59.3053, 75.4206

### Deuteranopia

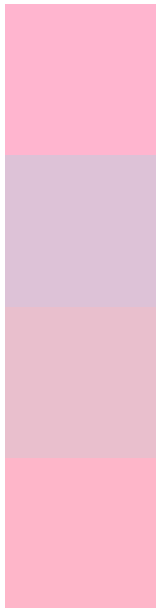
60.1542, 59.0551, 65.3551



## Tritanopia

67.8846, 58.9690, 60.6276

# Trichromacy



## Original Color

69.0264, 58.8127, 66.7454

## Protanomaly

61.3763, 58.8620, 72.4166

## Deuteranomaly

63.2545, 58.9930, 65.8105

## Tritanomaly

68.1436, 58.7438, 63.0055

# Monochromacy



## Original Color

69.0264, 58.8127, 66.7454

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

61.8473, 60.2360, 66.7595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0264, 58.8127, 66.7454 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, 181, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 181, 207)  
}
```

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, 181, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 181, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0264, 58.8127, 66.7454 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, 181, 207) }
```



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

```
.border{ border-color:rgb(255, 181, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 181, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 181, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 181, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 181,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0264, 58.8127, 66.7454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 181, 207) }
```

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

```
.background{ background-color: rgb(255,  
181, 207) }
```

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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