

Converting Colors

XYZ(68.9133, 57.1542, 71.1236)

Have a look what the booklet for
XYZ(68.9133, 57.1542, 71.1236)
contains.

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Color

**XYZ(68.9029, 57.1657,
71.0208)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0D6
RGB	255, 176, 214
RGB Percent	100%, 69%, 84%
CMY	0.0000, 0.3098, 0.1608
CMYK	0.00, 0.31, 0.16, 0.00
HSL	331°, 100%, 85%
HSV	331°, 31%, 100%
XYZ	68.9029, 57.1657, 71.0208
YIQ	203.9530, 34.8860, 28.5660

Conversions

Conversions Part 2

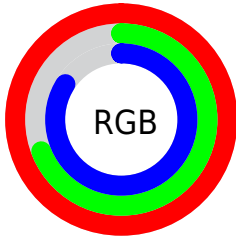
Format	Color
R_{YB}	255, 176, 214
Decimal	16756950
CIE Lab	80.27, 34.19, -7.46
CIE LCh	80, 34.998, 347.690
Yxy	57.1657, 0.3496, 0.2900
Android (android.graphics.Color)	4294947030 (0xFFFFB0D6)
YUV	203.9530, 4.9532, 44.7682
Hunter-Lab	75.6080, 30.3562, -2.7672

Details

The XYZ color **68.9029, 57.1657, 71.0208** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.1910, 85.7609, 78.7140**, and the grayscale version is **57.3204, 60.3055, 65.6727**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **36.2435, 28.2926, 36.3517** is the 20% darker color. If you saturate the color by 10%, you get **62.7424, 47.4407, 60.9643**, and if you desaturate by 10%, it is **76.1426, 68.8288, 82.1160**.

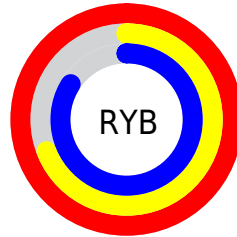
Distribution



Red (100%)

Green (69%)

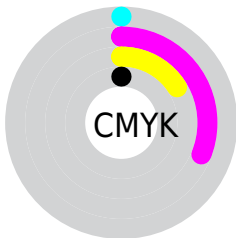
Blue (84%)



Red (100%)

Yellow (69%)

Blue (84%)

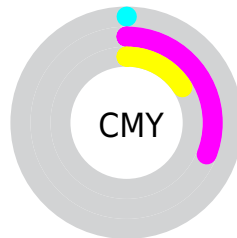


Cyan (0%)

Magenta (31%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9029, 57.1657, 71.0208 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 68.9029, 57.1657, 71.0208 by changing the saturation by 10% instead.


 68.9029, 57.1657,
71.0208

 68.9029, 57.1657,
71.0208


446.0152,
414.0699, 483.0118

 50.9090, 41.1383,
51.8772


 116.6777,
100.7069, 122.3581

 36.3569, 28.4272,
36.5257

147.1893,
128.9895, 155.3889

 24.8814, 18.6479,
24.5475


182.6042,
162.1260, 193.8858

 16.1170, 11.4161,
15.5243

223.2877,
200.5007, 238.2674

 9.6983, 6.3475,
9.0375

269.6052,
244.4981, 288.9523

 5.2601, 3.0575,
4.6685

321.9220,

 2.4370, 1.1618,

294.5024, 346.3590

1.9988

380.6036,
350.8983, 410.9059

■ 0.8636, 0.0302,
0.5545

■ 0.0000, 0.0000,
0.0000

■ 68.9029, 57.1657,
71.0208

■ 68.9029, 57.1657,
71.0208

■ 62.7424, 47.4407,
60.9643

■ 76.1426, 68.8288,
82.1160

■ 57.6010, 39.5395,
51.9085

■ 84.5090, 82.5209,
94.2793

■ 53.4189, 33.3475,
43.8173

■ 94.0519, 98.3361,
107.5427

■ 50.1277, 28.7338,
36.6508

■ 95.0500, 100.0000,
108.9000

■ 47.6494, 25.5482,
30.3650

■ 45.8910, 23.6108,
24.9099

■ 44.7934, 22.6813,
20.6417

Harmonies

Analogous

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



65.1481, 57.1657, 92.6861



68.9029, 57.1657, 71.0208



68.5123, 57.1657, 51.0300

Triad

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



68.9029, 57.1657, 71.0208



50.2630, 57.1657, 31.7640



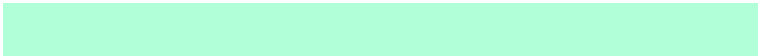
45.5957, 57.1657, 96.1357

Complementary

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



68.9029, 57.1657, 71.0208



66.1910, 85.7609, 78.7140

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.



42.2610, 57.1657, 74.9905



68.9029, 57.1657, 71.0208



44.7887, 57.1657, 39.3245

Square

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



68.9029, 57.1657, 71.0208



57.3183, 57.1657, 31.1571



41.9792, 57.1657, 54.2213



51.4557, 57.1657, 109.1787

Rectangle

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



68.9029, 57.1657, 71.0208



65.9553, 57.1657, 41.1419



41.9792, 57.1657, 54.2213



44.1654, 57.1657, 89.5517

Sweetspot

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



68.9043, 57.1682, 71.0220



86.3017, 85.4778, 96.8145



62.1382, 52.9972, 101.5622



18.1889, 17.8285, 20.3222



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.



68.9043, 57.1682, 71.0220



65.0681, 51.0853, 64.8432



64.8631, 55.9668, 48.4615



18.3733, 18.1326, 20.5830



23.4801, 11.8813, 11.1784



2.3410, 1.1788, 1.3773

Inverse Universe

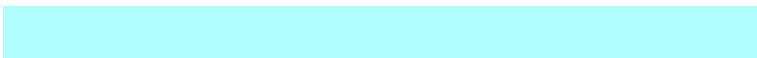
The Inverse Universe completely reimagines the original color for something new.



68.9043, 57.1682, 71.0220



65.0681, 51.0853, 64.8432



71.2973, 87.1337, 107.6685



18.3733, 18.1326, 20.5830



23.4801, 11.8813, 11.1784



2.3410, 1.1788, 1.3773

Previews

White Background



This preview shows how the XYZ color 68.9029, 57.1657, 71.0208 looks on a white background.

Color Contrast Check

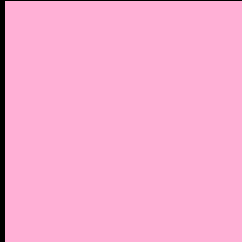
Large Text (above 18pt) WCAG AA × Fail

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 68.9029, 57.1657, 71.0208 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 68.9029, 57.1657, 71.0208

Background



This preview shows how black text looks on a background with the XYZ color 68.9029, 57.1657, 71.0208.



This preview shows how white text looks on a background with the XYZ color 68.9029, 57.1657,

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

68.9029, 57.1657, 71.0208

Protanopia

56.7034, 57.5917, 81.5265

Deuteranopia

58.7812, 57.5829, 69.6445



Tritanopia

66.4549, 57.3754, 58.0241

Trichromacy



Original Color

68.9029, 57.1657, 71.0208



Protanomaly

60.3480, 56.9063, 77.6154



Deuteranomaly

61.9671, 56.9521, 70.0142



Tritanomaly

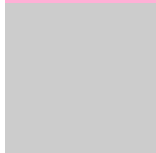
67.5358, 57.5281, 62.8028

Monochromacy



Original Color

68.9029, 57.1657, 71.0208



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.1084, 58.8256, 67.8082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9029, 57.1657, 71.0208 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, 176, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 214)  
}
```

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, 176, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 214) }
```

Border

The CSS property to change the border of an element to XYZ 68.9029, 57.1657, 71.0208 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, 176, 214) }
```


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

```
.border{ border-color:rgb(255, 176, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9029, 57.1657, 71.0208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 214) }
```

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

```
.background{ background-color: rgb(255,  
176, 214) }
```

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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