

Converting Colors

XYZ(84.8559, 66.6798, 71.9008)

Have a look what the booklet for
XYZ(84.8559, 66.6798, 71.9008)
contains.

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Color

**XYZ(69.6989, 58.7576,
71.2861)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB4D6
RGB	255, 180, 214
RGB Percent	100%, 71%, 84%
CMY	0.0000, 0.2941, 0.1608
CMYK	0.00, 0.29, 0.16, 0.00
HSL	333°, 100%, 85%
HSV	333°, 29%, 100%
XYZ	69.6989, 58.7576, 71.2861
YIQ	206.3010, 33.7860, 26.4740

Conversions

Conversions Part 2

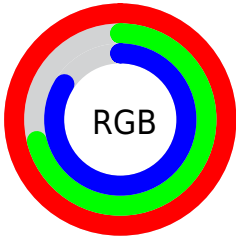
Format	Color
R _Y B	255, 180, 214
Decimal	16757974
CIE Lab	81.16, 32.10, -6.15
CIE LCh	81, 32.684, 349.153
Yxy	58.7576, 0.3489, 0.2942
Android (android.graphics.Color)	4294948054 (0xFFFFB4D6)
YUV	206.3010, 3.7956, 42.7090
Hunter-Lab	76.6535, 28.1614, -1.4810

Details

The XYZ color **69.6989, 58.7576, 71.2861** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **67.6357, 86.4448, 81.5309**, and the grayscale version is **58.8216, 61.8849, 67.3927**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **36.7448, 29.2952, 36.5188** is the 20% darker color. If you saturate the color by 10%, you get **63.3117, 48.7116, 60.7459**, and if you desaturate by 10%, it is **77.1881, 70.7634, 82.9469**.

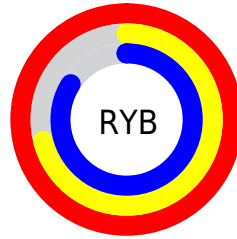
Distribution



Red (100%)

Green (71%)

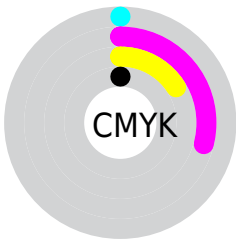
Blue (84%)



Red (100%)

Yellow (71%)

Blue (84%)

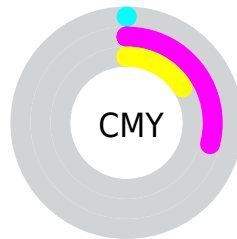


Cyan (0%)

Magenta (29%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6989, 58.7576, 71.2861 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 69.6989, 58.7576, 71.2861 by changing the saturation by 10% instead.

69.6989, 58.7576,
71.2861

69.6989, 58.7576,
71.2861

448.7750,
420.0030, 483.9635

51.5598, 42.4180,
52.0924

117.8079,
103.0253, 122.7393

36.8772, 29.4288,
36.6960

148.5085,
131.7222, 155.8359

25.2856, 19.4054,
24.6783

184.1270,
165.3069, 194.4038

16.4199, 11.9636,
15.6207

225.0287,
204.1640, 238.8618

9.9145, 6.7189,
9.1047

271.5790,
248.6778, 289.6281

5.4041, 3.2869,
4.7118

324.1432,

2.5234, 1.2833,

299.2326, 347.1215

2.0234

383.0868,
356.2129, 411.7605

■ 0.9071, 0.1282,
0.5696

■ 0.0000, 0.0000,
0.0000

■ 69.6989, 58.7576,
71.2861

■ 69.6989, 58.7576,
71.2861

■ 63.3117, 48.7116,
60.7459

■ 77.1881, 70.7634,
82.9469

■ 57.9667, 40.5124,
51.2855

■ 85.8270, 84.8191,
95.7602

■ 53.6043, 34.0469,
42.8662

95.0500, 100.0000,
108.9000

■ 50.1569, 29.1865,
35.4452

■ 47.5475, 25.7841,
28.9756

■ 45.6853, 23.6654,
23.4047

■ 44.4330, 22.5633,
18.6633

■ 44.3687, 22.5115,
18.4055

Harmonies

Analogous

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



66.3340, 58.7576, 91.7278



69.6989, 58.7576, 71.2861



69.1322, 58.7576, 52.4604

Triad

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



69.6989, 58.7576, 71.2861



51.6662, 58.7576, 34.7215



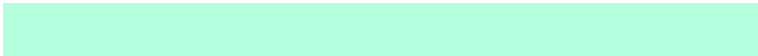
47.7244, 58.7576, 96.6915

Complementary

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



69.6989, 58.7576, 71.2861



67.6357, 86.4448, 81.5309

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.



44.3837, 58.7576, 77.0667



69.6989, 58.7576, 71.2861



46.5286, 58.7576, 42.4772

Square

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



69.6989, 58.7576, 71.2861



58.3443, 58.7576, 33.7958



43.9645, 58.7576, 57.1855



53.4226, 58.7576, 108.2537

Rectangle

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



69.6989, 58.7576, 71.2861



66.6131, 58.7576, 43.1259



43.9645, 58.7576, 57.1855



46.3089, 58.7576, 90.6538

Sweetspot

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



69.7003, 58.7601, 71.2873



86.2059, 85.4395, 96.3097



63.8886, 55.0811, 101.8722



18.1653, 17.8190, 20.1981



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.



69.7003, 58.7601, 71.2873



65.9966, 52.9079, 65.2585



66.3106, 58.2191, 50.9258



18.3517, 18.1240, 20.4693



23.2566, 11.7919, 10.0017



2.3186, 1.1698, 1.2594

Inverse Universe

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



69.7003, 58.7601, 71.2873



65.9966, 52.9079, 65.2585



71.8415, 86.8594, 107.5868



18.3517, 18.1240, 20.4693



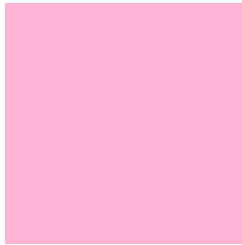
23.2566, 11.7919, 10.0017



2.3186, 1.1698, 1.2594

Previews

White Background



This preview shows how the XYZ color 69.6989, 58.7576, 71.2861 looks on a white background.

Color Contrast Check

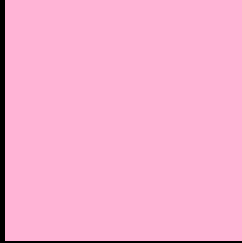
Large Text (above 18pt) WCAG AA × Fail

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 69.6989, 58.7576, 71.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

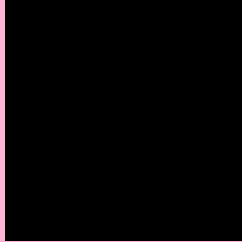
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6989, 58.7576, 71.2861

Background



This preview shows how black text looks on a background with the XYZ color 69.6989, 58.7576, 71.2861.



This preview shows how white text looks on a background with the XYZ color 69.6989, 58.7576,

71.2861.

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

69.6989, 58.7576, 71.2861

Protanopia

57.8081, 58.8604, 80.9874

Deuteranopia

60.1131, 58.9347, 69.8353



Tritanopia

67.5195, 58.7808, 60.6105

Trichromacy



Original Color

69.6989, 58.7576, 71.2861

Protanomaly

61.4682, 58.4739, 77.1541

Deuteranomaly

63.2521, 58.5693, 70.2586

Tritanomaly

68.3805, 58.8385, 64.2528

Monochromacy



Original Color

69.6989, 58.7576, 71.2861

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

62.2153, 60.3832, 68.6976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6989, 58.7576, 71.2861 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, 180, 214)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 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, 180, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 214) }
```

Border

The CSS property to change the border of an element to XYZ 69.6989, 58.7576, 71.2861 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, 180, 214) }
```


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

```
.border{ border-color:rgb(255, 180, 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, 180, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 214);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6989, 58.7576, 71.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 214) }
```

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

```
.background{ background-color: rgb(255,  
180, 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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