

Converting Colors

XYZ(71.9723, 58.3945, 87.1808)

Have a look what the booklet for
XYZ(71.9723, 58.3945, 87.1808)
contains.

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Color

**XYZ(71.9057, 58.3668,
86.8330)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0EC
RGB	255, 176, 236
RGB Percent	100%, 69%, 93%
CMY	0.0000, 0.3098, 0.0745
CMYK	0.00, 0.31, 0.07, 0.00
HSL	314°, 100%, 85%
HSV	314°, 31%, 100%
XYZ	71.9057, 58.3668, 86.8330
YIQ	206.4610, 27.8240, 35.4080

Conversions

Conversions Part 2

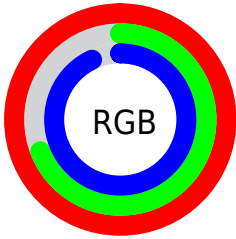
Format	Color
RYB	255, 176, 236
Decimal	16756972
CIELab	80.94, 37.74, -18.33
CIElCh	81, 41.954, 334.098
Yxy	58.3668, 0.3312, 0.2688
Android (android.graphics.Color)	4294947052 (0xFFFFB0EC)
YUV	206.4610, 14.5627, 42.5687
Hunter-Lab	76.3982, 34.3068, -13.9094

Details

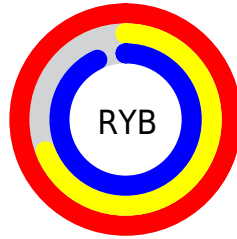
The XYZ color **71.9057, 58.3668, 86.8330** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.5167, 84.6911, 64.6319**, and the grayscale version is **58.8599, 61.9252, 67.4366**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **38.2237, 29.0847, 46.7793** is the 20% darker color. If you saturate the color by 10%, you get **66.4917, 48.9403, 80.7078**, and if you desaturate by 10%, it is **78.2919, 69.6884, 93.4348**.

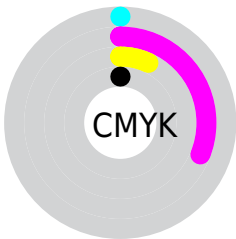
Distribution



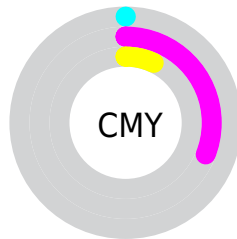
- Red (100%)
- Green (69%)
- Blue (93%)



- Red (100%)
- Yellow (69%)
- Blue (93%)



- Cyan (0%)
- Magenta (31%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9057, 58.3668, 86.8330 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 71.9057, 58.3668, 86.8330 by changing the saturation by 10% instead.

71.9057, 58.3668,
86.8330

71.9057, 58.3668,
86.8330

456.3760,
418.5513, 537.9759

53.3668, 42.1036,
64.7982

120.9340,
102.4568, 144.8282

38.3243, 29.1824,
46.8471

152.1541,
131.0524, 181.6256

26.4129, 19.2189,
32.5614

188.3320,
164.5276, 224.1809

17.2671, 11.8285,
21.5223

229.8331,
203.2668, 272.9128

10.5216, 6.6270,
13.3113

277.0227,
247.6544, 328.2397

5.8110, 3.2300,
7.5100

330.2661,

2.7701, 1.2529,

298.0747, 390.5801

3.6998

389.9288,
354.9122, 460.3527

■ 1.0334, 0.1043,
1.4622

■ 0.0000, 0.0000,
0.1895

■ 71.9057, 58.3668,
86.8330

■ 71.9057, 58.3668,
86.8330

■ 66.4917, 48.9403,
80.7078

■ 78.2919, 69.6884,
93.4348

■ 61.9930, 41.2962,
75.0364

■ 85.6955, 82.9953,
100.5274

■ 58.3528, 35.3210,
69.7991

■ 94.1630, 98.3804,
108.1286

■ 55.5060, 30.8851,
64.9727

■ 95.0500, 100.0000,
108.9000

■ 53.3778, 27.8395,
60.5308

■ 51.8789, 26.0060,
56.4419

■ 50.9406, 25.1402,
53.0125

Harmonies

Analogous

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



65.3808, 58.3668, 111.9883



71.9057, 58.3668, 86.8330



73.8681, 58.3668, 60.1928

Triad

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



71.9057, 58.3668, 86.8330



54.2904, 58.3668, 26.7713



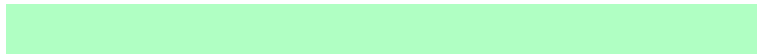
42.7572, 58.3668, 94.3324

Complementary

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



71.9057, 58.3668, 86.8330



63.5167, 84.6911, 64.6319

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.



40.4221, 58.3668, 67.0329



71.9057, 58.3668, 86.8330



46.6255, 58.3668, 31.5890

Square

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



71.9057, 58.3668, 86.8330



63.1003, 58.3668, 29.4914



41.7613, 58.3668, 44.8546



48.4918, 58.3668, 117.0519

Rectangle

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



71.9057, 58.3668, 86.8330



72.1704, 58.3668, 45.9462



41.7613, 58.3668, 44.8546



41.5775, 58.3668, 85.1619

Sweetspot

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



71.9070, 58.3692, 86.8342



87.2846, 85.8709, 101.9902



55.9372, 49.8003, 101.2720



18.4314, 17.9255, 21.5994



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.



71.9070, 58.3692, 86.8342



68.5331, 52.4713, 83.0893



66.8527, 56.3474, 60.2186



18.5949, 18.2213, 21.7498



26.6791, 13.1609, 28.0244



2.6403, 1.2985, 2.9532

Inverse Universe

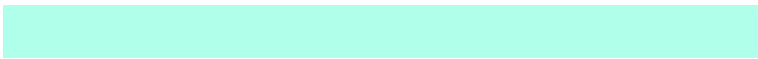
The Inverse Universe completely reimagines the original color for something new.



71.9070, 58.3692, 86.8342



68.5331, 52.4713, 83.0893



68.5078, 86.6876, 90.9145



18.5949, 18.2213, 21.7498



26.6791, 13.1609, 28.0244



2.6403, 1.2985, 2.9532

Previews

White Background



This preview shows how the XYZ color 71.9057, 58.3668, 86.8330 looks on a white background.

Color Contrast Check

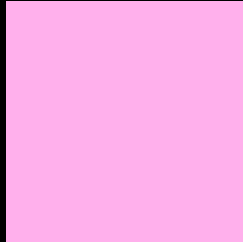
Large Text (above 18pt) WCAG AA × Fail

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 71.9057, 58.3668, 86.8330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

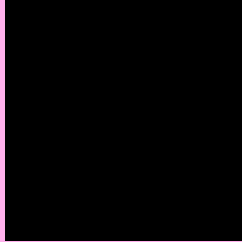
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.9057, 58.3668, 86.8330

Background



This preview shows how black text looks on a background with the XYZ color 71.9057, 58.3668, 86.8330.



This preview shows how white text looks on a background with the XYZ color 71.9057, 58.3668,

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

71.9057, 58.3668, 86.8330

Protanopia

58.9804, 58.6939, 100.3159

Deuteranopia

59.7590, 58.4279, 84.4720



Tritanopia

66.4359, 58.2222, 60.5598

Trichromacy



Original Color

71.9057, 58.3668, 86.8330



Protanomaly

62.7059, 58.0616, 95.0908



Deuteranomaly

63.6460, 58.1257, 84.9557



Tritanomaly

68.2240, 58.0411, 69.2353

Monochromacy



Original Color

71.9057, 58.3668, 86.8330



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.7800, 59.8873, 73.8962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9057, 58.3668, 86.8330 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 236) }
```

Border

The CSS property to change the border of an element to XYZ 71.9057, 58.3668, 86.8330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

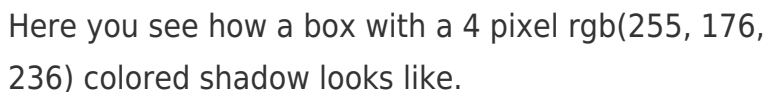
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 176, 236) }
```


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

```
.border{ border-color:rgb(255, 176, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9057, 58.3668, 86.8330 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, 236) }
```

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

```
.background{ background-color: rgb(255,  
176, 236) }
```

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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