

Converting Colors

XYZ(71.5579, 57.6584, 86.7568)

Have a look what the booklet for
XYZ(71.5579, 57.6584, 86.7568)
contains.

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Color

**XYZ(71.5164, 57.5882,
86.7032)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAEEC
RGB	255, 174, 236
RGB Percent	100%, 68%, 93%
CMY	0.0000, 0.3176, 0.0745
CMYK	0.00, 0.32, 0.07, 0.00
HSL	314°, 100%, 84%
HSV	314°, 32%, 100%
XYZ	71.5164, 57.5882, 86.7032
YIQ	205.2870, 28.3740, 36.4540

Conversions

Conversions Part 2

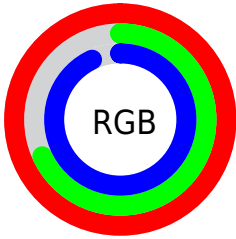
Format	Color
R _Y B	255, 174, 236
Decimal	16756460
CIE Lab	80.51, 38.78, -18.98
CIE LCh	81, 43.178, 333.921
Yxy	57.5882, 0.3314, 0.2668
Android (android.graphics.Color)	4294946540 (0xFFFFAEEC)
YUV	205.2870, 15.1415, 43.5983
Hunter-Lab	75.8869, 35.4177, -14.6199

Details

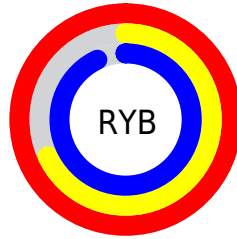
The XYZ color **71.5164, 57.5882, 86.7032** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **62.8430, 84.3698, 63.4277**, and the grayscale version is **58.1062, 61.1322, 66.5730**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **37.9806, 28.5985, 46.6983** is the 20% darker color. If you saturate the color by 10%, you get **66.1951, 48.3131, 80.7138**, and if you desaturate by 10%, it is **77.8044, 68.7498, 93.1600**.

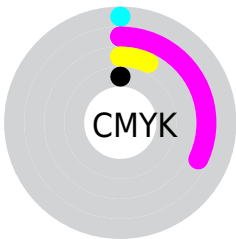
Distribution



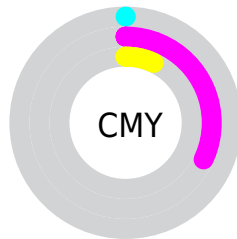
- Red (100%)
- Green (68%)
- Blue (93%)



- Red (100%)
- Yellow (68%)
- Blue (93%)



- Cyan (0%)
- Magenta (32%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5164, 57.5882, 86.7032 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 71.5164, 57.5882, 86.7032 by changing the saturation by 10% instead.


 71.5164, 57.5882,
86.7032

 71.5164, 57.5882,
86.7032


455.0404,
415.6497, 537.5380

 53.0478, 41.4777,
64.6914


 120.3833,
101.3229, 144.6456

 38.0685, 28.6925,
46.7611


151.5122,
129.7159, 181.4133

 26.2133, 18.8483,
32.4939


187.5920,
162.9719, 223.9366

 17.1168, 11.5607,
21.4711

228.9879,
201.4752, 272.6343

 10.4136, 6.4453,
13.2742

276.0653,
245.6102, 327.9247

 5.7384, 3.1177,
7.4847


329.1897,


 2.7258, 1.1935,


295.7614, 390.2264


3.6840


388.7262,
352.3131, 459.9580


 1.0105, 0.0564,
1.4536


 0.0000, 0.0000,
0.1830


 71.5164, 57.5882,
86.7032


 71.5164, 57.5882,
86.7032

 66.1951, 48.3131,
80.7138


 77.8044, 68.7498,
93.1600

 61.7834, 40.8112,
75.1690

 85.1045, 81.8886,
100.0984

 58.2238, 34.9681,
70.0491

 93.4637, 97.0983,
107.5362

 55.4508, 30.6527,
65.3308

95.0500, 100.0000,
108.9000

■ 53.3888, 27.7145,
60.9874

■ 51.9467, 25.9719,
56.9872

■ 51.1112, 25.2085,
53.9109

Harmonies

Analogous

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



64.8090, 57.5882, 112.5572



71.5164, 57.5882, 86.7032



73.5618, 57.5882, 59.4244

Triad

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



71.5164, 57.5882, 86.7032



53.5785, 57.5882, 25.5242



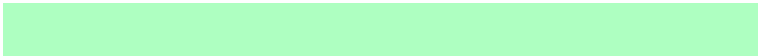
41.7757, 57.5882, 94.0794

Complementary

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



71.5164, 57.5882, 86.7032



62.8430, 84.3698, 63.4277

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.



39.4316, 57.5882, 66.1016



71.5164, 57.5882, 86.7032



45.7646, 57.5882, 30.2942

Square

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



71.5164, 57.5882, 86.7032



62.5756, 57.5882, 28.2850



40.8098, 57.5882, 43.6000



47.5799, 57.5882, 117.5601

Rectangle

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



71.5164, 57.5882, 86.7032



71.8410, 57.5882, 44.9204



40.8098, 57.5882, 43.6000



40.5872, 57.5882, 84.6523

Sweetspot

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



71.5176, 57.5905, 86.7044



86.4996, 84.4164, 101.3726



55.1551, 48.8192, 101.1238



18.2758, 17.6360, 21.4802



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.



71.5176, 57.5905, 86.7044



68.0878, 51.5894, 82.9143



66.2960, 55.5019, 59.2074



18.5997, 18.2232, 21.7752



26.7674, 13.1962, 28.4890



2.6482, 1.3017, 2.9949

Inverse Universe

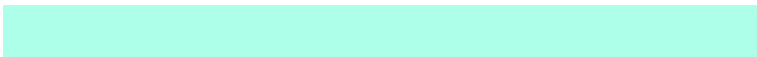
The Inverse Universe completely reimagines the original color for something new.



71.5176, 57.5905, 86.7044



68.0878, 51.5894, 82.9143



67.9823, 86.4255, 90.4906



18.5997, 18.2232, 21.7752



26.7674, 13.1962, 28.4890



2.6482, 1.3017, 2.9949

Previews

White Background



This preview shows how the XYZ color 71.5164, 57.5882, 86.7032 looks on a white background.

Color Contrast Check

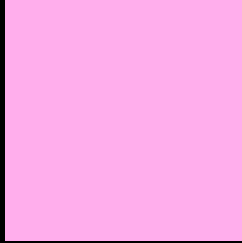
Large Text (above 18pt) WCAG AA × Fail

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 71.5164, 57.5882, 86.7032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

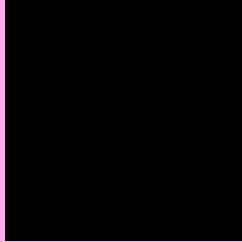
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.5164, 57.5882, 86.7032

Background



This preview shows how black text looks on a background with the XYZ color 71.5164, 57.5882, 86.7032.



This preview shows how white text looks on a background with the XYZ color 71.5164, 57.5882,

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

71.5164, 57.5882, 86.7032

Protanopia

58.4172, 58.0448, 101.0534

Deuteranopia

58.9824, 57.6938, 84.3712



Tritanopia

66.1161, 57.7654, 59.8897

Trichromacy



Original Color

71.5164, 57.5882, 86.7032



Protanomaly

62.1375, 57.1076, 95.7436



Deuteranomaly

62.9097, 57.1118, 84.7988



Tritanomaly

68.0229, 57.6388, 69.1682

Monochromacy



Original Color

71.5164, 57.5882, 86.7032



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

62.1179, 59.2294, 73.1242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5164, 57.5882, 86.7032 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, 174, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 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, 174, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 236) }
```

Border

The CSS property to change the border of an element to XYZ 71.5164, 57.5882, 86.7032 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, 174, 236) }
```


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

```
.border{ border-color:rgb(255, 174, 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, 174, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5164, 57.5882, 86.7032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 174, 236) }
```

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

```
.background{ background-color: rgb(255,  
174, 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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