

Converting Colors

XYZ(88.0042, 66.1589, 81.9114)

Have a look what the booklet for
XYZ(88.0042, 66.1589, 81.9114)
contains.

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Color

**XYZ(70.5189, 57.1892,
81.4506)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAEE5
RGB	255, 174, 229
RGB Percent	100%, 68%, 90%
CMY	0.0000, 0.3176, 0.1020
CMYK	0.00, 0.32, 0.10, 0.00
HSL	319°, 100%, 84%
HSV	319°, 32%, 100%
XYZ	70.5189, 57.1892, 81.4506
YIQ	204.4890, 30.6210, 34.2770

Conversions

Conversions Part 2

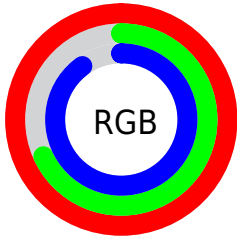
Format	Color
R _Y B	255, 174, 229
Decimal	16756453
CIE _{Lab}	80.29, 37.62, -15.54
CIE _{LCh}	80, 40.706, 337.550
Y _{xy}	57.1892, 0.3372, 0.2734
Android (android.graphics.Color)	4294946533 (0xFFFFAEE5)
YUV	204.4890, 12.0839, 44.2981
Hunter-Lab	75.6235, 34.1099, -10.9220

Details

The XYZ color **70.5189, 57.1892, 81.4506** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.6428, 84.6897, 67.6390**, and the grayscale version is **57.6174, 60.6180, 66.0130**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **37.2853, 28.3204, 43.0364** is the 20% darker color. If you saturate the color by 10%, you get **64.9360, 47.8095, 74.0835**, and if you desaturate by 10%, it is **77.0933, 68.4654, 89.4156**.

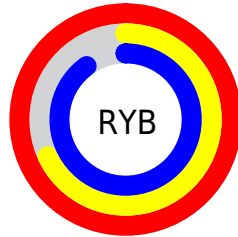
Distribution



Red (100%)

Green (68%)

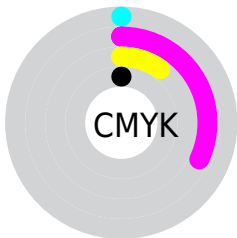
Blue (90%)



Red (100%)

Yellow (68%)

Blue (90%)

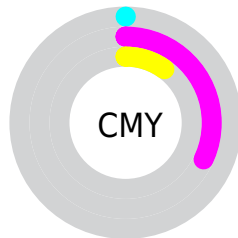


Cyan (0%)

Magenta (32%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (32%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5189, 57.1892, 81.4506 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 70.5189, 57.1892, 81.4506 by changing the saturation by 10% instead.

70.5189, 57.1892,
81.4506

70.5189, 57.1892,
81.4506

451.6079,
414.1579, 519.6432

52.2308, 41.1572,
60.3796

118.9707,
100.7412, 137.2330

37.4141, 28.4419,
43.2974

149.8651,
129.0300, 172.7816

25.7034, 18.6590,
29.7854

185.6923,
162.1731, 213.9930

16.7334, 11.4242,
19.4251

226.8177,
200.5549, 261.2860

10.1387, 6.3529,
11.7979

273.6066,
244.5600, 315.0789

5.5540, 3.0608,
6.4854

326.4243,

2.6139, 1.1636,

294.5725, 375.7904

3.0689

385.6363,
350.9770, 443.8390

■ 0.9530, 0.0317,
1.1299

■ 0.0000, 0.0000,
0.0000

■ 70.5189, 57.1892,
81.4506

■ 70.5189, 57.1892,
81.4506

■ 64.9360, 47.8095,
74.0835

■ 77.0933, 68.4654,
89.4156

■ 60.2870, 40.2127,
67.2893

■ 84.7051, 81.7289,
97.9950

■ 56.5141, 34.2842,
61.0457

■ 93.4016, 97.0735,
107.2090

■ 53.5511, 29.8928,
55.3268

95.0500, 100.0000,
108.9000

■ 51.3219, 26.8878,
50.1036

■ 49.7351, 25.0873,
45.3414

■ 48.7969, 24.2828,
41.7242

Harmonies

Analogous

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



64.6985, 57.1892, 106.1024



70.5189, 57.1892, 81.4506



71.8036, 57.1892, 56.4428

Triad

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



70.5189, 57.1892, 81.4506



52.2821, 57.1892, 27.0042



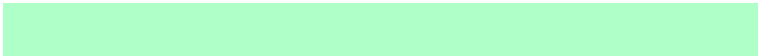
42.6367, 57.1892, 94.5652

Complementary

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



70.5189, 57.1892, 81.4506



63.6428, 84.6897, 67.6390

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.



39.9929, 57.1892, 68.4836



70.5189, 57.1892, 81.4506



45.1801, 57.1892, 32.5559

Square

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



70.5189, 57.1892, 81.4506



60.6960, 57.1892, 28.8042



40.8742, 57.1892, 46.3639



48.4747, 57.1892, 114.9218

Rectangle

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



70.5189, 57.1892, 81.4506



69.8059, 57.1892, 43.3952



40.8742, 57.1892, 46.3639



41.3736, 57.1892, 85.9489

Sweetspot

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



70.5202, 57.1916, 81.4518



86.1578, 84.2797, 99.5723



56.9143, 49.7261, 101.2061



18.1928, 17.6028, 21.0430



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.



70.5202, 57.1916, 81.4518



66.9243, 51.1240, 76.7872



65.5467, 55.2022, 55.2619



18.5300, 18.1953, 21.4083



25.5686, 12.7167, 22.1765



2.5394, 1.2582, 2.4221

Inverse Universe

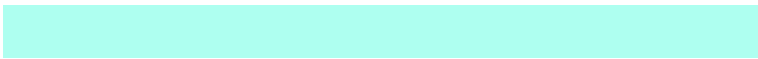
The Inverse Universe completely reimagines the original color for something new.



70.5202, 57.1916, 81.4518



66.9243, 51.1240, 76.7872



68.9675, 86.8196, 95.6787



18.5300, 18.1953, 21.4083



25.5686, 12.7167, 22.1765



2.5394, 1.2582, 2.4221

Previews

White Background



This preview shows how the XYZ color 70.5189, 57.1892, 81.4506 looks on a white background.

Color Contrast Check

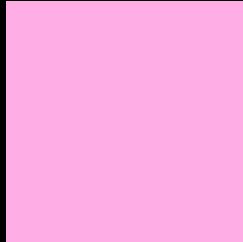
Large Text (above 18pt) WCAG AA × Fail

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 70.5189, 57.1892, 81.4506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

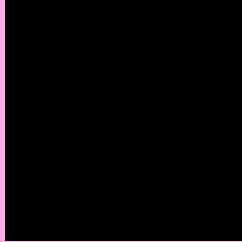
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5189, 57.1892, 81.4506

Background



This preview shows how black text looks on a background with the XYZ color 70.5189, 57.1892, 81.4506.



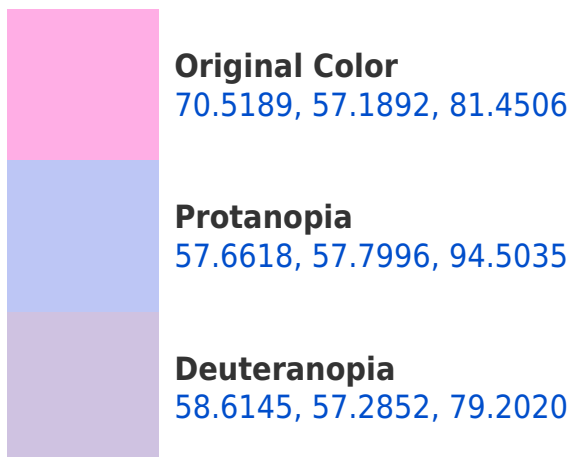
This preview shows how white text looks on a background with the XYZ color 70.5189, 57.1892,

81.4506.

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





Tritanopia

65.8425, 57.0468, 58.5798

Trichromacy



Original Color

70.5189, 57.1892, 81.4506



Protanomaly

61.2182, 56.7733, 89.3932



Deuteranomaly

62.2383, 56.8789, 79.6499



Tritanomaly

67.3278, 57.0412, 66.4930

Monochromacy



Original Color

70.5189, 57.1892, 81.4506



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

61.5116, 58.6320, 71.0259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5189, 57.1892, 81.4506 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(255, 174, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 174, 229) }
```

Border

The CSS property to change the border of an element to XYZ 70.5189, 57.1892, 81.4506 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, 229) }
```


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

```
.border{ border-color:rgb(255, 174, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 174, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 174, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 174,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5189, 57.1892, 81.4506 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, 229) }
```

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

```
.background{ background-color: rgb(255,  
174, 229) }
```

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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