

Converting Colors

XYZ(81.5780, 63.6270, 76.5735)

Have a look what the booklet for
XYZ(81.5780, 63.6270, 76.5735)
contains.

XYZ(69.8165, 57.5311, 75.8315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(69.8165, 57.5311,
75.8315)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0DD
RGB	255, 176, 221
RGB Percent	100%, 69%, 87%
CMY	0.0000, 0.3098, 0.1333
CMYK	0.00, 0.31, 0.13, 0.00
HSL	326°, 100%, 85%
HSV	326°, 31%, 100%
XYZ	69.8165, 57.5311, 75.8315
YIQ	204.7510, 32.6390, 30.7430

Conversions

Conversions Part 2

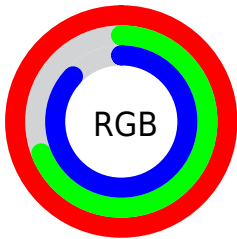
Format	Color
R _Y B	255, 176, 221
Decimal	16756957
CIE Lab	80.48, 35.29, -10.94
CIE LCh	80, 36.945, 342.776
Yxy	57.5311, 0.3436, 0.2832
Android (android.graphics.Color)	4294947037 (0xFFFFB0DD)
YUV	204.7510, 8.0108, 44.0684
Hunter-Lab	75.8493, 31.5666, -6.1816

Details

The XYZ color **69.8165, 57.5311, 75.8315** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.2993, 85.4042, 74.0190**, and the grayscale version is **57.8076, 60.8181, 66.2309**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **36.8684, 28.5426, 39.6425** is the 20% darker color. If you saturate the color by 10%, you get **63.8634, 47.8890, 66.8672**, and if you desaturate by 10%, it is **76.8069, 69.0944, 85.6147**.

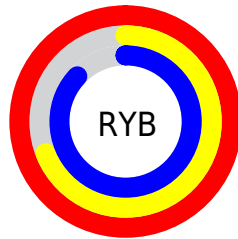
Distribution



Red (100%)

Green (69%)

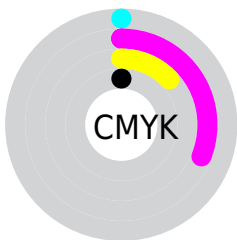
Blue (87%)



Red (100%)

Yellow (69%)

Blue (87%)

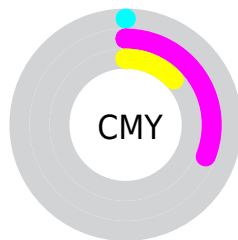


Cyan (0%)

Magenta (31%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8165, 57.5311, 75.8315 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 69.8165, 57.5311, 75.8315 by changing the saturation by 10% instead.

69.8165, 57.5311,
75.8315

69.8165, 57.5311,
75.8315

449.1819,
415.4364, 500.1022

51.6560, 41.4318,
55.7885

117.9747,
101.2397, 129.2466

36.9541, 28.6566,
39.6305

148.7032,
129.6178, 163.4558

25.3455, 18.8212,
26.9390

184.3517,
162.8576, 203.2242

16.4647, 11.5412,
17.2954

225.2855,
201.3436, 248.9702

9.9465, 6.4321,
10.2811

271.8701,
245.4600, 301.1125

5.4255, 3.1095,
5.4777


324.4708,


2.5363, 1.1892,


295.5914, 360.0696


2.4666


383.4530,
352.1221, 426.2599


 0.9136, 0.0529,
0.8224


 0.0000, 0.0000,
0.0000


 69.8165, 57.5311,
75.8315


 69.8165, 57.5311,
75.8315


 63.8634, 47.8890,
66.8672


 76.8069, 69.0944,
85.6147

 58.8891, 40.0546,
58.6913

 84.8810, 82.6696,
96.2387

 54.8352, 33.9140,
51.2756

 94.0871, 98.3501,
107.7288

 51.6350, 29.3367,
44.5886

95.0500, 100.0000,
108.9000

■ 49.2122, 26.1733,
38.5949

■ 47.4755, 24.2446,
33.2540

■ 46.3700, 23.3120,
28.9443

Harmonies

Analogous

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



65.1883, 57.5311, 98.5444



69.8165, 57.5311, 75.8315



70.1617, 57.5311, 53.8576

Triad

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



69.8165, 57.5311, 75.8315



51.5217, 57.5311, 30.1167



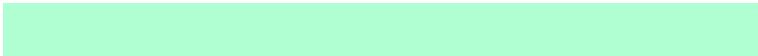
44.6665, 57.5311, 95.4780

Complementary

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



69.8165, 57.5311, 75.8315



65.2993, 85.4042, 74.0190

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.



41.6644, 57.5311, 72.3322



69.8165, 57.5311, 75.8315



45.3692, 57.5311, 36.7280

Square

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



69.8165, 57.5311, 75.8315



59.1116, 57.5311, 30.6343



41.9091, 57.5311, 51.0773



50.4786, 57.5311, 111.5636

Rectangle

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



69.8165, 57.5311, 75.8315



67.8733, 57.5311, 42.6542



41.9091, 57.5311, 51.0773



43.3205, 57.5311, 88.0625

Sweetspot

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



69.8178, 57.5335, 75.8327



86.6108, 85.6014, 98.4420



59.8484, 51.8167, 101.4550



18.2650, 17.8589, 20.7230



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.



69.8178, 57.5335, 75.8327



66.1115, 51.5027, 70.3376



65.2710, 55.7148, 51.8896



18.4429, 18.1605, 20.9497



24.3057, 12.2116, 15.5260



2.4214, 1.2109, 1.8003

Inverse Universe

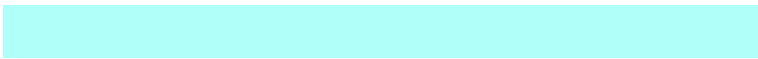
The Inverse Universe completely reimagines the original color for something new.



69.8178, 57.5335, 75.8327



66.1115, 51.5027, 70.3376



70.6739, 87.5540, 102.3214



18.4429, 18.1605, 20.9497



24.3057, 12.2116, 15.5260



2.4214, 1.2109, 1.8003

Previews

White Background



This preview shows how the XYZ color 69.8165, 57.5311, 75.8315 looks on a white background.

Color Contrast Check

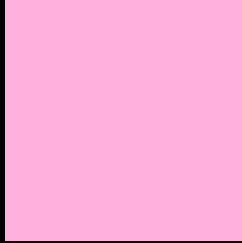
Large Text (above 18pt) WCAG AA × Fail

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 69.8165, 57.5311, 75.8315 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 69.8165, 57.5311, 75.8315

Background



This preview shows how black text looks on a background with the XYZ color 69.8165, 57.5311, 75.8315.



This preview shows how white text looks on a background with the XYZ color 69.8165, 57.5311,

75.8315.

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

69.8165, 57.5311, 75.8315

Protanopia

57.1818, 57.7238, 86.7253

Deuteranopia

58.8106, 57.4944, 74.3275



Tritanopia

66.5191, 57.6833, 59.2578

Trichromacy



Original Color

69.8165, 57.5311, 75.8315



Protanomaly

61.0153, 57.1390, 82.6760



Deuteranomaly

62.2351, 56.9860, 74.7371



Tritanomaly

67.5272, 57.4825, 64.6629

Monochromacy



Original Color

69.8165, 57.5311, 75.8315



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

61.4811, 58.9747, 69.7709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8165, 57.5311, 75.8315 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 221) }
```

Border

The CSS property to change the border of an element to XYZ 69.8165, 57.5311, 75.8315 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, 221) }
```


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

```
.border{ border-color:rgb(255, 176, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8165, 57.5311, 75.8315 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
176, 221) }
```

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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