

Converting Colors

XYZ(68.7695, 57.0967, 70.3665)

Have a look what the booklet for
XYZ(68.7695, 57.0967, 70.3665)
contains.

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Color

**XYZ(68.7756, 57.1148,
70.3502)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0D5
RGB	255, 176, 213
RGB Percent	100%, 69%, 84%
CMY	0.0000, 0.3098, 0.1647
CMYK	0.00, 0.31, 0.16, 0.00
HSL	332°, 100%, 85%
HSV	332°, 31%, 100%
XYZ	68.7756, 57.1148, 70.3502
YIQ	203.8390, 35.2070, 28.2550

Conversions

Conversions Part 2

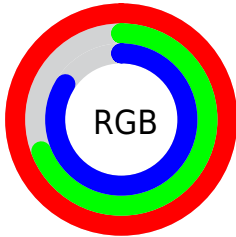
Format	Color
R_{YB}	255, 176, 213
Decimal	16756949
CIE _{Lab}	80.24, 34.04, -6.96
CIE _{LCh}	80, 34.745, 348.439
Yxy	57.1148, 0.3505, 0.2910
Android (android.graphics.Color)	4294947029 (0xFFFFB0D5)
YUV	203.8390, 4.5164, 44.8682
Hunter-Lab	75.5743, 30.1869, -2.2895

Details

The XYZ color **68.7756, 57.1148, 70.3502** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.3215, 85.8131, 79.4012**, and the grayscale version is **57.2510, 60.2325, 65.5932**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **36.1570, 28.2580, 35.8964** is the 20% darker color. If you saturate the color by 10%, you get **62.5877, 47.3788, 60.1495**, and if you desaturate by 10%, it is **76.0492, 68.7914, 81.6240**.

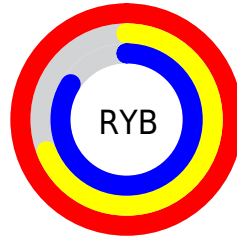
Distribution



Red (100%)

Green (69%)

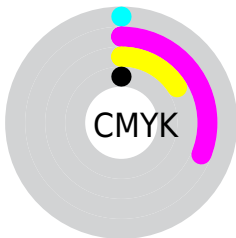
Blue (84%)



Red (100%)

Yellow (69%)

Blue (84%)

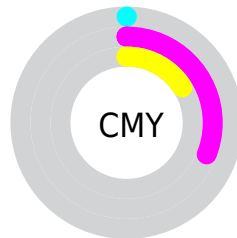


Cyan (0%)

Magenta (31%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7756, 57.1148, 70.3502 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 68.7756, 57.1148, 70.3502 by changing the saturation by 10% instead.

68.7756, 57.1148,
70.3502

68.7756, 57.1148,
70.3502

445.5729,
413.8793, 480.6010

50.8050, 41.0974,
51.3335

116.4968,
100.6327, 121.3938

36.2738, 28.3952,
36.0955

146.9781,
128.9020, 154.2578

24.8168, 18.6238,
24.2177

182.3604,
162.0240, 192.5747

16.0686, 11.3988,
15.2815

223.0089,
200.3832, 236.7630

9.6639, 6.3357,
8.8684

269.2890,
244.3639, 287.2412

5.2372, 3.0503,
4.5598


321.5662,


2.4233, 1.1580,


294.3506, 344.4279

1.9372


380.2057,
350.7276, 408.7417


 0.8567, 0.0270,
0.5162


 0.0000, 0.0000,
0.0000


 68.7756, 57.1148,
70.3502


 68.7756, 57.1148,
70.3502


 62.5877, 47.3788,
60.1495


 76.0492, 68.7914,
81.6240

 57.4252, 39.4691,
50.9824

 84.4563, 82.4998,
94.0016

 53.2279, 33.2711,
42.8117

 94.0468, 98.3341,
107.5162

 49.9273, 28.6536,
35.5958

95.0500, 100.0000,
108.9000

■ 47.4450, 25.4665,
29.2891

■ 45.6878, 23.5296,
23.8399

■ 44.5953, 22.6021,
19.5986

Harmonies

Analogous

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



65.1449, 57.1148, 91.8704



68.7756, 57.1148, 70.3502



68.2809, 57.1148, 50.6329

Triad

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



68.7756, 57.1148, 70.3502



50.0849, 57.1148, 32.0037



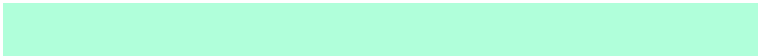
45.7304, 57.1148, 96.2363

Complementary

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



68.7756, 57.1148, 70.3502



66.3215, 85.8131, 79.4012

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.



42.3471, 57.1148, 75.3803



68.7756, 57.1148, 70.3502



44.7061, 57.1148, 39.7060

Square

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



68.7756, 57.1148, 70.3502



57.0656, 57.1148, 31.2311



41.9892, 57.1148, 54.6834



51.5979, 57.1148, 108.8471

Rectangle

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



68.7756, 57.1148, 70.3502



65.6858, 57.1148, 40.9272



41.9892, 57.1148, 54.6834



44.2877, 57.1148, 89.7719

Sweetspot

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



68.7769, 57.1173, 70.3514



86.2579, 85.4603, 96.5834



62.1383, 52.9972, 101.5622



18.1781, 17.8242, 20.2654



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.



68.7769, 57.1173, 70.3514



64.9235, 51.0275, 64.0817



64.8631, 55.9668, 48.4616



18.3634, 18.1287, 20.5310



23.3759, 11.8396, 10.6299



2.3306, 1.1746, 1.3226

Inverse Universe

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



68.7769, 57.1173, 70.3514



64.9235, 51.0275, 64.0817



71.2973, 87.1337, 107.6685



18.3634, 18.1287, 20.5310



23.3759, 11.8396, 10.6299



2.3306, 1.1746, 1.3226

Previews

White Background



This preview shows how the XYZ color 68.7756, 57.1148, 70.3502 looks on a white background.

Color Contrast Check

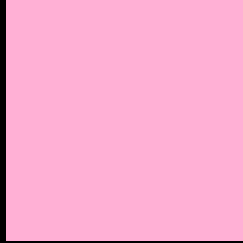
Large Text (above 18pt) WCAG AA × Fail

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 68.7756, 57.1148, 70.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

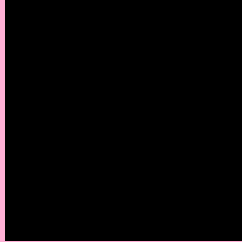
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7756, 57.1148, 70.3502

Background



This preview shows how black text looks on a background with the XYZ color 68.7756, 57.1148, 70.3502.



This preview shows how white text looks on a background with the XYZ color 68.7756, 57.1148,

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

68.7756, 57.1148, 70.3502

Protanopia

56.5649, 57.5363, 80.7974

Deuteranopia

58.6562, 57.5329, 68.9862



Tritanopia

66.2538, 56.9731, 57.9570

Trichromacy



Original Color

68.7756, 57.1148, 70.3502



Protanomaly

60.2135, 56.8526, 76.9073



Deuteranomaly

61.8413, 56.9018, 69.3518



Tritanomaly

67.2188, 57.0818, 62.1186

Monochromacy



Original Color

68.7756, 57.1148, 70.3502



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

60.9857, 58.7765, 67.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7756, 57.1148, 70.3502 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 213) }
```

Border

The CSS property to change the border of an element to XYZ 68.7756, 57.1148, 70.3502 is called "border". The border property can be set on classes, ids or directly on the HTML element.

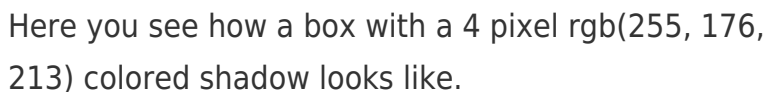
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 176, 213) }
```


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

```
.border{ border-color:rgb(255, 176, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7756, 57.1148, 70.3502 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
176, 213) }
```

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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