

Converting Colors

XYZ(68.9253, 56.9699, 71.7701)

Have a look what the booklet for
XYZ(68.9253, 56.9699, 71.7701)
contains.

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Color

**XYZ(68.8357, 56.8262,
71.6305)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAFD7
RGB	255, 175, 215
RGB Percent	100%, 69%, 84%
CMY	0.0000, 0.3137, 0.1569
CMYK	0.00, 0.31, 0.16, 0.00
HSL	330°, 100%, 84%
HSV	330°, 31%, 100%
XYZ	68.8357, 56.8262, 71.6305
YIQ	203.4800, 34.8400, 29.4000

Conversions

Conversions Part 2

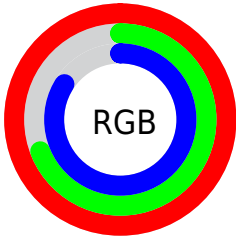
Format	Color
R _Y B	255, 175, 215
Decimal	16756695
CIE Lab	80.08, 34.87, -8.29
CIE LCh	80, 35.841, 346.634
Yxy	56.8262, 0.3489, 0.2880
Android (android.graphics.Color)	4294946775 (0xFFFFAFD7)
YUV	203.4800, 5.6794, 45.1830
Hunter-Lab	75.3832, 31.0757, -3.5703

Details

The XYZ color **68.8357, 56.8262, 71.6305** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.7069, 85.5412, 77.3413**, and the grayscale version is **57.0178, 59.9871, 65.3260**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **36.2085, 28.0831, 36.7699** is the 20% darker color. If you saturate the color by 10%, you get **62.7581, 47.1915, 61.8339**, and if you desaturate by 10%, it is **75.9808, 68.3910, 82.4144**.

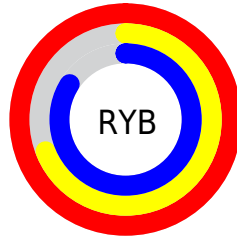
Distribution



Red (100%)

Green (69%)

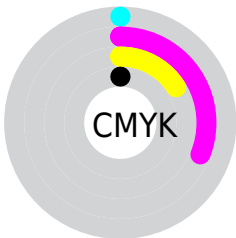
Blue (84%)



Red (100%)

Yellow (69%)

Blue (84%)

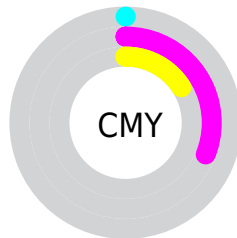


Cyan (0%)

Magenta (31%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8357, 56.8262, 71.6305 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 68.8357, 56.8262, 71.6305 by changing the saturation by 10% instead.


 68.8357, 56.8262,
71.6305

 68.8357, 56.8262,
71.6305


445.7817,
412.7977, 485.1974

 50.8541, 40.8657,
52.3719


 116.5822,
100.2115, 123.2339

 36.3131, 28.2142,
36.9173


147.0778,
128.4052, 156.4157

 24.8473, 18.4872,
24.8482


182.4755,
161.4454, 195.0758

 16.0914, 11.3003,
15.7460

223.1405,
199.7164, 239.6325

 9.6801, 6.2692,
9.1922

269.4383,
243.6028, 290.5045

 5.2480, 3.0095,
4.7682

321.7342,

 2.4298, 1.1367,

293.4889, 348.1103

2.0556

380.3936,
349.7591, 412.8684

■ 0.8600, 0.0090,
0.5891

■ 0.0000, 0.0000,
0.0000

■ 68.8357, 56.8262,
71.6305

■ 68.8357, 56.8262,
71.6305

■ 62.7581, 47.1915,
61.8339

■ 75.9808, 68.3910,
82.4144

■ 57.6881, 39.3727,
52.9883

■ 84.2409, 81.9772,
94.2131

■ 53.5660, 33.2547,
45.0596

■ 93.6654, 97.6789,
107.0571

■ 50.3237, 28.7062,
38.0098

■ 95.0500, 100.0000,
108.9000

■ 47.8830, 25.5762,
31.7969

■ 46.1506, 23.6835,
26.3730

■ 45.1030, 22.8052,
22.2725

Harmonies

Analogous

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



64.8608, 56.8262, 93.7508



68.8357, 56.8262, 71.6305



68.5927, 56.8262, 51.0753

Triad

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



68.8357, 56.8262, 71.6305



50.0961, 56.8262, 30.8197



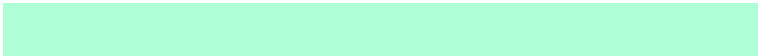
44.9434, 56.8262, 95.9029

Complementary

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



68.8357, 56.8262, 71.6305



65.7069, 85.5412, 77.3413

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.



41.6588, 56.8262, 74.0967



68.8357, 56.8262, 71.6305



44.4451, 56.8262, 38.1912

Square

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



68.8357, 56.8262, 71.6305



57.3187, 56.8262, 30.4488



41.4850, 56.8262, 53.0464



50.8342, 56.8262, 109.7488

Rectangle

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



68.8357, 56.8262, 71.6305



66.0642, 56.8262, 40.8709



41.4850, 56.8262, 53.0464



43.5220, 56.8262, 89.0646

Sweetspot

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



68.8370, 56.8287, 71.6317



86.3677, 85.5042, 97.1618



61.4064, 52.3298, 101.4719



18.2051, 17.8350, 20.4077



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.



68.8370, 56.8287, 71.6317



64.6912, 50.2307, 65.0279



64.3096, 55.0177, 47.7905



18.3882, 18.1386, 20.6612



23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Inverse Universe

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



68.8370, 56.8287, 71.6317



64.6912, 50.2307, 65.0279



71.4906, 87.8547, 107.7974



18.3882, 18.1386, 20.6612



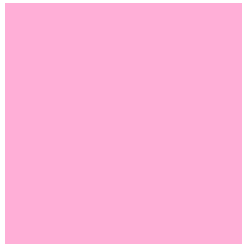
23.6427, 11.9464, 12.0347



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 68.8357, 56.8262, 71.6305 looks on a white background.

Color Contrast Check

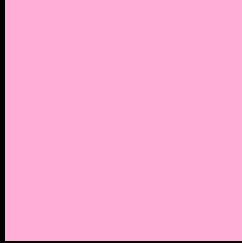
Large Text (above 18pt) WCAG AA × Fail

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 68.8357, 56.8262, 71.6305 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 68.8357, 56.8262, 71.6305

Background



This preview shows how black text looks on a background with the XYZ color 68.8357, 56.8262, 71.6305.



This preview shows how white text looks on a background with the XYZ color 68.8357, 56.8262,

71.6305.

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

68.8357, 56.8262, 71.6305

Protanopia

56.1014, 56.9271, 82.1599

Deuteranopia

58.3942, 57.0395, 70.2194



Tritanopia

65.8906, 56.7859, 57.9400

Trichromacy



Original Color

68.8357, 56.8262, 71.6305



Protanomaly

59.9710, 56.3759, 78.2418



Deuteranomaly

61.5641, 56.4159, 70.5954



Tritanomaly

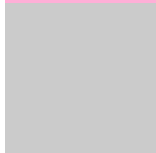
66.9710, 56.9405, 62.7192

Monochromacy



Original Color

68.8357, 56.8262, 71.6305



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.4567, 58.1745, 67.0739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8357, 56.8262, 71.6305 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, 175, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 215)  
}
```

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, 175, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 215) }
```

Border

The CSS property to change the border of an element to XYZ 68.8357, 56.8262, 71.6305 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, 175, 215) }
```


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

```
.border{ border-color:rgb(255, 175, 215) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 175, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8357, 56.8262, 71.6305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 215) }
```

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

```
.background{ background-color: rgb(255,  
175, 215) }
```

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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