

Converting Colors

XYZ(68.5880, 56.6725, 70.4948)

Have a look what the booklet for
XYZ(68.5880, 56.6725, 70.4948)
contains.

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Color

**XYZ(68.5802, 56.7240,
70.2851)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAFD5
RGB	255, 175, 213
RGB Percent	100%, 69%, 84%
CMY	0.0000, 0.3137, 0.1647
CMYK	0.00, 0.31, 0.16, 0.00
HSL	332°, 100%, 84%
HSV	332°, 31%, 100%
XYZ	68.5802, 56.7240, 70.2851
YIQ	203.2520, 35.4820, 28.7780

Conversions

Conversions Part 2

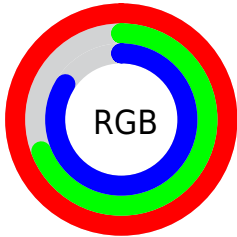
Format	Color
R _Y B	255, 175, 213
Decimal	16756693
CIE Lab	80.02, 34.56, -7.29
CIE LCh	80, 35.323, 348.091
Yxy	56.7240, 0.3506, 0.2900
Android (android.graphics.Color)	4294946773 (0xFFFFAFD5)
YUV	203.2520, 4.8058, 45.3830
Hunter-Lab	75.3153, 30.7356, -2.6093

Details

The XYZ color **68.5802, 56.7240, 70.2851** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **65.9656, 85.6447, 78.7033**, and the grayscale version is **56.8794, 59.8416, 65.1675**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **36.0349, 28.0137, 35.8557** is the 20% darker color. If you saturate the color by 10%, you get **62.4478, 47.0674, 60.2003**, and if you desaturate by 10%, it is **75.7926, 68.3158, 81.4235**.

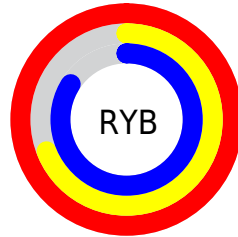
Distribution



Red (100%)

Green (69%)

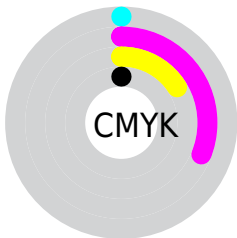
Blue (84%)



Red (100%)

Yellow (69%)

Blue (84%)

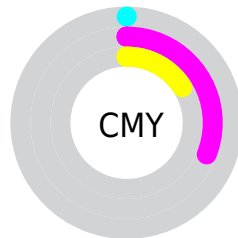


Cyan (0%)

Magenta (31%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5802, 56.7240, 70.2851 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 68.5802, 56.7240, 70.2851 by changing the saturation by 10% instead.


 68.5802, 56.7240,
70.2851

 68.5802, 56.7240,
70.2851


444.8935,
412.4143, 480.3666

 50.6453, 40.7837,
51.2808


 116.2191,
100.0624, 121.3002

 36.1463, 28.1501,
36.0538


146.6539,
128.2292, 154.1480

 24.7178, 18.4388,
24.1857


181.9859,
161.2403, 192.4473

 15.9946, 11.2655,
15.2580

222.5807,
199.4802, 236.6168

 9.6111, 6.2457,
8.8520

268.8034,
243.3331, 287.0749

 5.2022, 2.9951,
4.5493


321.0196,

 2.4023, 1.1292,


293.1835, 344.2402


1.9313


379.5945,
349.4157, 408.5313


 0.8463, 0.0027,
0.5125


 0.0000, 0.0000,
0.0000


 68.5802, 56.7240,
70.2851


 68.5802, 56.7240,
70.2851


 62.4478, 47.0674,
60.2003


 75.7926, 68.3158,
81.4235

 57.3353, 39.2316,
51.1304

 84.1331, 81.9341,
93.6454

 53.1822, 33.1012,
43.0386

 93.6515, 97.6734,
106.9838

 49.9200, 28.5447,
35.8840

95.0500, 100.0000,
108.9000

■ 47.4699, 25.4109,
29.6217

■ 45.7381, 23.5185,
24.2007

■ 44.6985, 22.6434,
20.1421

Harmonies

Analogous

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



64.8534, 56.7240, 92.1104



68.5802, 56.7240, 70.2851



68.1289, 56.7240, 50.2823

Triad

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



68.5802, 56.7240, 70.2851



49.7407, 56.7240, 31.2906



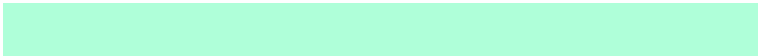
45.2100, 56.7240, 96.1017

Complementary

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



68.5802, 56.7240, 70.2851



65.9656, 85.6447, 78.7033

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.



41.8289, 56.7240, 74.8699



68.5802, 56.7240, 70.2851



44.2804, 56.7240, 38.9415

Square

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



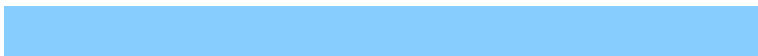
68.5802, 56.7240, 70.2851



56.8134, 56.7240, 30.5946



41.5045, 56.7240, 53.9588



51.1158, 56.7240, 109.0816

Rectangle

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



68.5802, 56.7240, 70.2851



65.5244, 56.7240, 40.4439



41.5045, 56.7240, 53.9588



43.7640, 56.7240, 89.5016

Sweetspot

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



68.5815, 56.7265, 70.2862



86.2809, 85.4695, 96.7047



61.7995, 52.5325, 101.4903



18.1838, 17.8264, 20.2952



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.



68.5815, 56.7265, 70.2862



64.3980, 50.1135, 63.4842



64.5704, 55.5393, 47.8775



18.3686, 18.1308, 20.5583



23.4302, 11.8614, 10.9157



2.3361, 1.1768, 1.3511

Inverse Universe

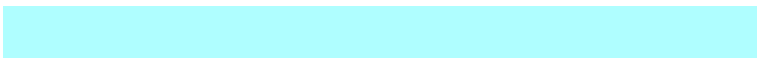
The Inverse Universe completely reimagines the original color for something new.



68.5815, 56.7265, 70.2862



64.3980, 50.1135, 63.4842



71.0667, 87.0070, 107.6562



18.3686, 18.1308, 20.5583



23.4302, 11.8614, 10.9157



2.3361, 1.1768, 1.3511

Previews

White Background



This preview shows how the XYZ color 68.5802, 56.7240, 70.2851 looks on a white background.

Color Contrast Check

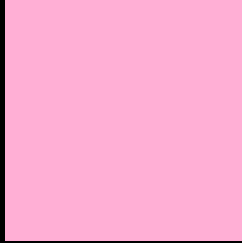
Large Text (above 18pt) WCAG AA × Fail

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 68.5802, 56.7240, 70.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

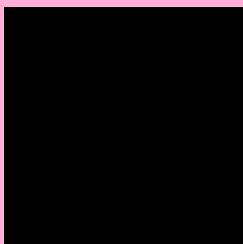
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5802, 56.7240, 70.2851

Background



This preview shows how black text looks on a background with the XYZ color 68.5802, 56.7240, 70.2851.



This preview shows how white text looks on a background with the XYZ color 68.5802, 56.7240,

70.2851.

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

68.5802, 56.7240, 70.2851

Protanopia

56.0795, 56.9479, 80.7094

Deuteranopia

58.1434, 56.9392, 68.8986



Tritanopia

66.1425, 56.9286, 57.3714

Trichromacy



Original Color

68.5802, 56.7240, 70.2851



Protanomaly

59.7013, 56.2680, 76.8215



Deuteranomaly

61.3117, 56.3149, 69.2664



Tritanomaly

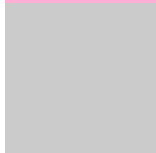
67.2188, 57.0818, 62.1186

Monochromacy



Original Color

68.5802, 56.7240, 70.2851



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 68.5802, 56.7240, 70.2851 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 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, 175, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 213) }
```

Border

The CSS property to change the border of an element to XYZ 68.5802, 56.7240, 70.2851 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, 213) }
```


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

```
.border{ border-color:rgb(255, 175, 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, 175, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5802, 56.7240, 70.2851 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, 213) }
```

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

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