

Converting Colors

XYZ(68.0064, 56.7069, 66.6083)

Have a look what the booklet for
XYZ(68.0064, 56.7069, 66.6083)
contains.

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Color

**XYZ(68.0278, 56.8157,
66.4125)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0CF
RGB	255, 176, 207
RGB Percent	100%, 69%, 81%
CMY	0.0000, 0.3098, 0.1882
CMYK	0.00, 0.31, 0.19, 0.00
HSL	336°, 100%, 85%
HSV	336°, 31%, 100%
XYZ	68.0278, 56.8157, 66.4125
YIQ	203.1550, 37.1330, 26.3890

Conversions

Conversions Part 2

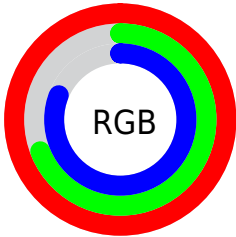
Format	Color
R _Y B	255, 176, 207
Decimal	16756943
CIE Lab	80.08, 33.13, -3.97
CIE LCh	80, 33.369, 353.175
Yxy	56.8157, 0.3557, 0.2971
Android (android.graphics.Color)	4294947023 (0xFFFFB0CF)
YUV	203.1550, 1.8956, 45.4681
Hunter-Lab	75.3762, 29.1898, 0.5241

Details

The XYZ color **68.0278, 56.8157, 66.4125** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **67.1212, 86.1330, 83.6125**, and the grayscale version is **56.8356, 59.7954, 65.1172**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **35.7353, 28.0893, 33.6753** is the 20% darker color. If you saturate the color by 10%, you get **61.6872, 47.0186, 55.4072**, and if you desaturate by 10%, it is **75.4963, 68.5703, 78.7124**.

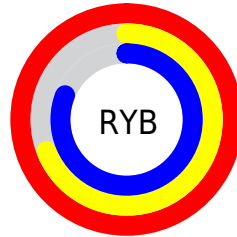
Distribution



Red (100%)

Green (69%)

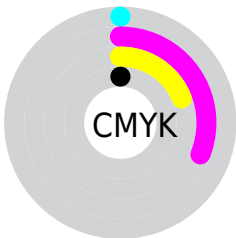
Blue (81%)



Red (100%)

Yellow (69%)

Blue (81%)

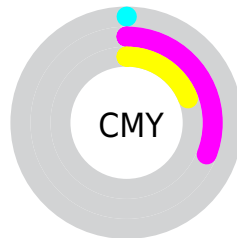


Cyan (0%)

Magenta (31%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (31%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0278, 56.8157, 66.4125 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 68.0278, 56.8157, 66.4125 by changing the saturation by 10% instead.

68.0278, 56.8157,
66.4125

68.0278, 56.8157,
66.4125

442.9697,
412.7584, 466.2951

50.1941, 40.8573,
48.1487

115.4336,
100.1962, 115.7108

35.7861, 28.2076,
33.5839

145.7364,
128.3871, 147.5825

24.4384, 18.4822,
22.2993

180.9263,
161.4243, 184.8271

15.7856, 11.2967,
13.8766

221.3687,
199.6922, 227.8634

9.4625, 6.2668,
7.8971

267.4289,
243.5751, 277.1098

5.1036, 3.0080,
3.9424


319.4722,

2.3435, 1.1359,


293.4575, 332.9849


1.5938


377.8640,
349.7238, 395.9071


 0.8168, 0.0084,
0.2864


 0.0000, 0.0000,
0.0000


 68.0278, 56.8157,
66.4125


 68.0278, 56.8157,
66.4125


 61.6872, 47.0186,
55.4072


 75.4963, 68.5703,
78.7124

 56.4121, 39.0639,
45.6473

 84.1420, 82.3741,
92.3464

 52.1405, 32.8361,
37.0854

 94.0166, 98.3221,
107.3568

 48.8018, 28.2034,
29.6689

95.0500, 100.0000,
108.9000

■ 46.3154, 25.0146,
23.3406

■ 44.5857, 23.0887,
18.0362

■ 43.5429, 22.1811,
14.0568

Harmonies

Analogous

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



65.1395, 56.8157, 87.0849



68.0278, 56.8157, 66.4125



66.9131, 56.8157, 48.2853

Triad

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



68.0278, 56.8157, 66.4125



49.0255, 56.8157, 33.4656



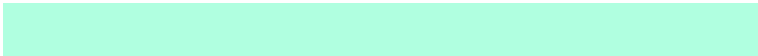
46.5492, 56.8157, 96.8739

Complementary

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



68.0278, 56.8157, 66.4125



67.1212, 86.1330, 83.6125

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.



42.8680, 56.8157, 77.7728



68.0278, 56.8157, 66.4125



44.2117, 56.8157, 42.0514

Square

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



68.0278, 56.8157, 66.4125



55.5678, 56.8157, 31.6716



42.0495, 56.8157, 57.5255



52.4652, 56.8157, 106.9033

Rectangle

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



68.0278, 56.8157, 66.4125



64.0918, 56.8157, 39.6460



42.0495, 56.8157, 57.5255



45.0302, 56.8157, 91.1310

Sweetspot

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



68.0292, 56.8182, 66.4136



85.9961, 85.3555, 95.2049



64.1322, 54.0252, 101.6555



18.1138, 17.7984, 19.9266



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.



68.0292, 56.8182, 66.4136



64.0788, 50.6896, 59.6335



66.1980, 58.6367, 48.9066



18.3045, 18.1051, 20.2206



22.8202, 11.6174, 7.7035



2.2737, 1.1519, 1.0230

Inverse Universe

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



68.0292, 56.8182, 66.4136



64.0788, 50.6896, 59.6335



69.2475, 83.0340, 106.9852



18.3045, 18.1051, 20.2206



22.8202, 11.6174, 7.7035



2.2737, 1.1519, 1.0230

Previews

White Background



This preview shows how the XYZ color 68.0278, 56.8157, 66.4125 looks on a white background.

Color Contrast Check

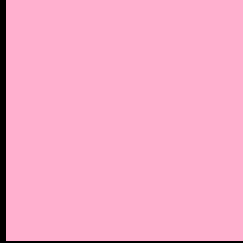
Large Text (above 18pt) WCAG AA × Fail

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 68.0278, 56.8157, 66.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

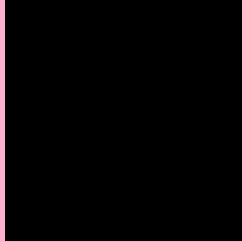
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0278, 56.8157, 66.4125

Background



This preview shows how black text looks on a background with the XYZ color 68.0278, 56.8157, 66.4125.



This preview shows how white text looks on a background with the XYZ color 68.0278, 56.8157,

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

68.0278, 56.8157, 66.4125

Protanopia

55.8773, 57.2912, 75.8234

Deuteranopia

58.2879, 57.0985, 65.0757



Tritanopia

66.1425, 56.9286, 57.3714

Trichromacy



Original Color

68.0278, 56.8157, 66.4125



Protanomaly

59.2945, 56.4849, 72.0675



Deuteranomaly

61.4229, 56.7714, 65.4783



Tritanomaly

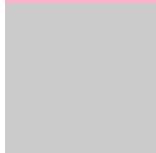
66.8715, 56.9428, 60.2899

Monochromacy



Original Color

68.0278, 56.8157, 66.4125



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.0932, 58.0292, 65.1602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0278, 56.8157, 66.4125 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 207) }
```

Border

The CSS property to change the border of an element to XYZ 68.0278, 56.8157, 66.4125 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, 207) }
```


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

```
.border{ border-color:rgb(255, 176, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0278, 56.8157, 66.4125 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
176, 207) }
```

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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