

Converting Colors

XYZ(69.8540, 56.2991, 79.8736)

Have a look what the booklet for
XYZ(69.8540, 56.2991, 79.8736)
contains.

| | |
|--|----|
| XYZ(69.8577, 56.3111, 79.8603) | 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(69.8577, 56.3111,
79.8603)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFACE3 |
| RGB | 255, 172, 227 |
| RGB Percent | 100%, 67%, 89% |
| CMY | 0.0000, 0.3255, 0.1098 |
| CMYK | 0.00, 0.33, 0.11, 0.00 |
| HSL | 320°, 100%, 84% |
| HSV | 320°, 33%, 100% |
| XYZ | 69.8577, 56.3111, 79.8603 |
| YIQ | 203.0870, 31.8130, 34.7010 |

Conversions

Conversions Part 2

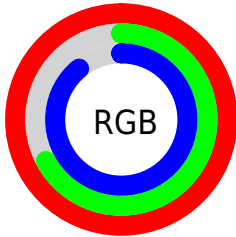
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 172, 227 |
| Decimal | 16755939 |
| CIE Lab | 79.79, 38.34, -15.21 |
| CIE LCh | 80, 41.244, 338.360 |
| Yxy | 56.3111, 0.3391, 0.2733 |
| Android (android.graphics.Color) | 4294946019 (0xFFFFACE3) |
| YUV | 203.0870, 11.7891, 45.5277 |
| Hunter-Lab | 75.0407, 34.8498, -10.5695 |

Details

The XYZ color **69.8577, 56.3111, 79.8603** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **63.2005, 84.4617, 67.6183**, and the grayscale version is **56.7349, 59.6896, 65.0019**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **36.9508, 27.8057, 42.4493** is the 20% darker color. If you saturate the color by 10%, you get **64.3042, 47.0570, 72.2970**, and if you desaturate by 10%, it is **76.4041, 67.4558, 88.0487**.

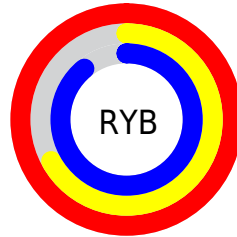
Distribution



Red (100%)

Green (67%)

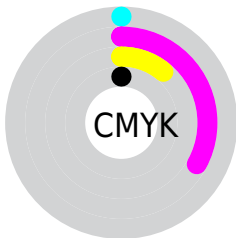
Blue (89%)



Red (100%)

Yellow (67%)

Blue (89%)

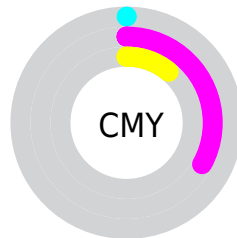


Cyan (0%)

Magenta (33%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (33%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8577, 56.3111, 79.8603 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 69.8577, 56.3111, 79.8603 by changing the saturation by 10% instead.

69.8577, 56.3111,
79.8603

69.8577, 56.3111,
79.8603

449.3244,
410.8629, 514.1563

51.6897, 40.4524,
59.0779

118.0332, 99.4593,
134.9789

36.9811, 27.8915,
42.2554

148.7714,
127.5176, 170.1522

25.3664, 18.2439,
28.9743

184.4304,
160.4112, 210.9596

16.4805, 11.1252,
18.8160

225.3755,
198.5245, 257.8196

9.9578, 6.1511,
11.3619

271.9721,
242.2419, 311.1507

5.4330, 2.9372,
6.1936

324.5855,

2.5408, 1.0990,

291.9479, 371.3715

2.8925

383.5812,
348.0267, 438.9005

■ 0.9159, 0.0000,
1.0400

■ 0.0000, 0.0000,
0.0000

■ 69.8577, 56.3111,
79.8603

■ 69.8577, 56.3111,
79.8603

■ 64.3042, 47.0570,
72.2970

■ 76.4041, 67.4558,
88.0487

■ 59.6855, 39.5792,
65.3332

■ 83.9898, 80.5827,
96.8797

■ 55.9433, 33.7620,
58.9456

■ 92.6624, 95.7860,
106.3739

■ 53.0105, 29.4731,
53.1077

95.0500, 100.0000,
108.9000

■ 50.8101, 26.5595,
47.7891

■ 49.2487, 24.8362,
42.9541

■ 48.3989, 24.1236,
39.6283

Harmonies

Analogous

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



64.1057, 56.3111, 104.8449



69.8577, 56.3111, 79.8603



71.0105, 56.3111, 54.8741

Triad

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



69.8577, 56.3111, 79.8603



51.2237, 56.3111, 26.1706



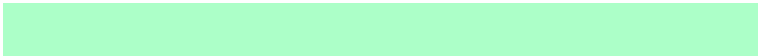
41.9048, 56.3111, 94.4666

Complementary

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



69.8577, 56.3111, 79.8603



63.2005, 84.4617, 67.6183

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.



39.1701, 56.3111, 68.2374



69.8577, 56.3111, 79.8603



44.1725, 56.3111, 31.8875

Square

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



69.8577, 56.3111, 79.8603



59.6573, 56.3111, 27.7604



39.9549, 56.3111, 45.8860



47.8225, 56.3111, 114.6882

Rectangle

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



69.8577, 56.3111, 79.8603



68.9130, 56.3111, 41.9797



39.9549, 56.3111, 45.8860



40.6123, 56.3111, 85.8234

Sweetspot

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



69.8589, 56.3134, 79.8614



86.0935, 84.2540, 99.2339



56.5352, 48.9614, 101.0785



18.1772, 17.5966, 20.9609



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.



69.8589, 56.3134, 79.8614



66.1642, 50.1306, 74.9100



64.8394, 54.3056, 53.4289



18.5169, 18.1901, 21.3392



25.3620, 12.6341, 21.0884



2.5204, 1.2505, 2.3219

Inverse Universe

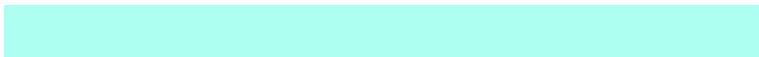
The Inverse Universe completely reimagines the original color for something new.



69.8589, 56.3134, 79.8614



66.1642, 50.1306, 74.9100



68.6768, 86.6522, 96.4564



18.5169, 18.1901, 21.3392



25.3620, 12.6341, 21.0884



2.5204, 1.2505, 2.3219

Previews

White Background



This preview shows how the XYZ color 69.8577, 56.3111, 79.8603 looks on a white background.

Color Contrast Check

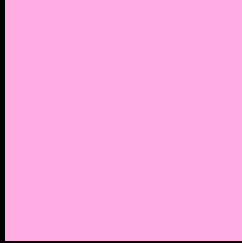
Large Text (above 18pt) WCAG AA × Fail

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 69.8577, 56.3111, 79.8603 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

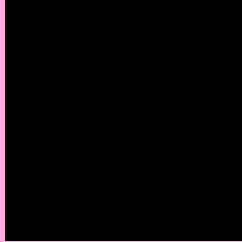
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.8577, 56.3111, 79.8603

Background



This preview shows how black text looks on a background with the XYZ color 69.8577, 56.3111, 79.8603.



This preview shows how white text looks on a background with the XYZ color 69.8577, 56.3111,

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

69.8577, 56.3111, 79.8603

Protanopia

56.4111, 56.5157, 92.7295

Deuteranopia

57.8428, 56.5895, 77.6862



Tritanopia

65.2185, 56.1558, 57.2709

Trichromacy



Original Color

69.8577, 56.3111, 79.8603



Protanomaly

60.2078, 55.6521, 87.6894



Deuteranomaly

61.5440, 55.9270, 78.0723



Tritanomaly

66.6897, 56.1539, 65.0815

Monochromacy



Original Color

69.8577, 56.3111, 79.8603



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.8575, 57.9823, 70.2715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8577, 56.3111, 79.8603 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, 172, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 172, 227)  
}
```

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, 172, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 172, 227) }
```

Border

The CSS property to change the border of an element to XYZ 69.8577, 56.3111, 79.8603 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, 172, 227) }
```


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

```
.border{ border-color:rgb(255, 172, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 172, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 172, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 172, 227);  
box-shadow:4px 4px 4px 4px rgb(255, 172,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8577, 56.3111, 79.8603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 172, 227) }
```

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

```
.background{ background-color: rgb(255,  
172, 227) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor