

Converting Colors

XYZ(68.4452, 56.9669, 68.6587)

Have a look what the booklet for
XYZ(68.4452, 56.9669, 68.6587)
contains.

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Color

**XYZ(68.3982, 56.9638,
68.3629)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB0D2
RGB	255, 176, 210
RGB Percent	100%, 69%, 82%
CMY	0.0000, 0.3098, 0.1765
CMYK	0.00, 0.31, 0.18, 0.00
HSL	334°, 100%, 85%
HSV	334°, 31%, 100%
XYZ	68.3982, 56.9638, 68.3629
YIQ	203.4970, 36.1700, 27.3220

Conversions

Conversions Part 2

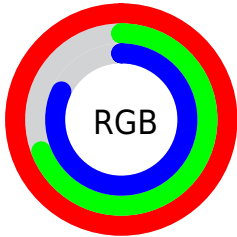
Format	Color
RYB	255, 176, 210
Decimal	16756946
CIELab	80.16, 33.58, -5.47
CIElCh	80, 34.025, 350.756
Yxy	56.9638, 0.3531, 0.2940
Android (android.graphics.Color)	4294947026 (0xFFFFB0D2)
YUV	203.4970, 3.2060, 45.1681
Hunter-Lab	75.4744, 29.6844, -0.8714

Details

The XYZ color **68.3982, 56.9638, 68.3629** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **66.7177, 85.9716, 81.4879**, and the grayscale version is **57.0430, 60.0137, 65.3549**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **35.9862, 28.1897, 34.9970** is the 20% darker color. If you saturate the color by 10%, you get **62.1314, 47.1962, 57.7469**, and if you desaturate by 10%, it is **75.7710, 68.6801, 80.1595**.

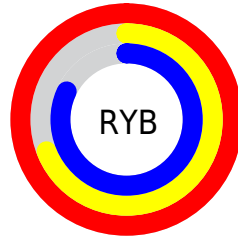
Distribution



Red (100%)

Green (69%)

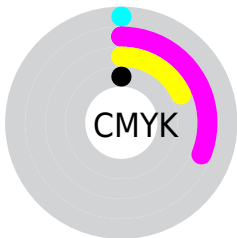
Blue (82%)



Red (100%)

Yellow (69%)

Blue (82%)

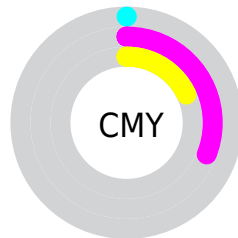


Cyan (0%)

Magenta (31%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3982, 56.9638, 68.3629 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 68.3982, 56.9638, 68.3629 by changing the saturation by 10% instead.


 68.3982, 56.9638,
68.3629

 68.3982, 56.9638,
68.3629


444.2602,
413.3137, 473.4136

 50.4966, 40.9762,
49.7245


 115.9604,
100.4124, 118.5303

 36.0276, 28.3005,
34.8249


146.3517,
128.6421, 150.8963

 24.6257, 18.5523,
23.2455


181.6370,
161.7213, 188.6753

 15.9256, 11.3472,
14.5679

222.1816,
200.0344, 232.2858

 9.5621, 6.3009,
8.3735

268.3509,
243.9658, 282.1464

 5.1696, 3.0289,
4.2437

320.5101,

 2.3829, 1.1468,

293.8999, 338.6755

1.7599

379.0248,
350.2210, 402.2917

■ 0.8366, 0.0176,
0.4013

■ 0.0000, 0.0000,
0.0000

■ 68.3982, 56.9638,
68.3629

■ 68.3982, 56.9638,
68.3629

■ 62.1314, 47.1962,
57.7469

■ 75.7710, 68.6801,
80.1595

■ 56.9096, 39.2629,
48.2676

■ 84.2986, 82.4367,
93.1715

■ 52.6717, 33.0486,
39.8830

■ 94.0317, 98.3280,
107.4364

■ 49.3482, 28.4220,
32.5465

■ 95.0500, 100.0000,
108.9000

■ 46.8598, 25.2323,
26.2071

■ 45.1119, 23.2992,
20.8075

■ 44.0403, 22.3801,
16.6761

Harmonies

Analogous

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



65.1393, 56.9638, 89.4544



68.3982, 56.9638, 68.3629



67.5925, 56.9638, 49.4514

Triad

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



68.3982, 56.9638, 68.3629



49.5532, 56.9638, 32.7296



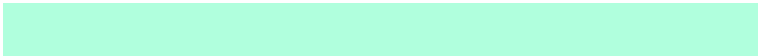
46.1375, 56.9638, 96.5477

Complementary

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



68.3982, 56.9638, 68.3629



66.7177, 85.9716, 81.4879

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.



42.6065, 56.9638, 76.5649



68.3982, 56.9638, 68.3629



44.4585, 56.9638, 40.8664

Square

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



68.3982, 56.9638, 68.3629



56.3128, 56.9638, 31.4520



42.0193, 56.9638, 56.0894



52.0285, 56.9638, 107.8654

Rectangle

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



68.3982, 56.9638, 68.3629



64.8839, 56.9638, 40.2849



42.0193, 56.9638, 56.0894



44.6571, 56.9638, 90.4431

Sweetspot

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



68.3995, 56.9663, 68.3641



86.1267, 85.4078, 95.8925



63.3251, 53.6091, 101.6177



18.1459, 17.8113, 20.0955



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.



68.3995, 56.9663, 68.3641



64.4963, 50.8566, 61.8318



65.6564, 57.5535, 48.7260



18.3339, 18.1169, 20.3754



23.0834, 11.7226, 9.0896



2.3010, 1.1628, 1.1666

Inverse Universe

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



68.3995, 56.9663, 68.3641



64.4963, 50.8566, 61.8318



70.0588, 84.6567, 107.2556



18.3339, 18.1169, 20.3754



23.0834, 11.7226, 9.0896



2.3010, 1.1628, 1.1666

Previews

White Background



This preview shows how the XYZ color 68.3982, 56.9638, 68.3629 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 68.3982, 56.9638, 68.3629 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 68.3982, 56.9638, 68.3629

Background



This preview shows how black text looks on a background with the XYZ color 68.3982, 56.9638, 68.3629.



This preview shows how white text looks on a background with the XYZ color 68.3982, 56.9638,

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

68.3982, 56.9638, 68.3629

Protanopia

56.2783, 57.4516, 77.9351

Deuteranopia

58.3568, 57.0920, 66.9756



Tritanopia

66.2538, 56.9731, 57.9570

Trichromacy



Original Color

68.3982, 56.9638, 68.3629

Protanomaly

59.6836, 56.6406, 74.1167

Deuteranomaly

61.7886, 56.9177, 67.4041

Tritanomaly

67.1022, 57.0351, 61.5050

Monochromacy



Original Color

68.3982, 56.9638, 68.3629

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

60.8638, 58.7278, 66.5202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3982, 56.9638, 68.3629 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 210) }
```

Border

The CSS property to change the border of an element to XYZ 68.3982, 56.9638, 68.3629 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, 210) }
```


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

```
.border{ border-color:rgb(255, 176, 210) }
```

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, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3982, 56.9638, 68.3629 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, 210) }
```

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

```
.background{ background-color: rgb(255,  
176, 210) }
```

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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