

Converting Colors

XYZ(77.8081, 62.4996, 68.9430)

Have a look what the booklet for
XYZ(77.8081, 62.4996, 68.9430)
contains.

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Color

**XYZ(68.7933, 57.7539,
68.4946)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB2D2
RGB	255, 178, 210
RGB Percent	100%, 70%, 82%
CMY	0.0000, 0.3019, 0.1765
CMYK	0.00, 0.30, 0.18, 0.00
HSL	335°, 100%, 85%
HSV	335°, 30%, 100%
XYZ	68.7933, 57.7539, 68.4946
YIQ	204.6710, 35.6200, 26.2760

Conversions

Conversions Part 2

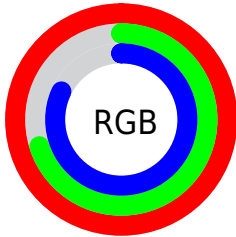
Format	Color
R _Y B	255, 178, 210
Decimal	16757458
CIE Lab	80.60, 32.54, -4.81
CIE LCh	81, 32.891, 351.586
Yxy	57.7539, 0.3527, 0.2961
Android (android.graphics.Color)	4294947538 (0xFFFFB2D2)
YUV	204.6710, 2.6272, 44.1385
Hunter-Lab	75.9960, 28.5893, -0.2404

Details

The XYZ color **68.7933, 57.7539, 68.4946** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **67.4414, 86.3137, 82.9211**, and the grayscale version is **57.7886, 60.7981, 66.2091**.

A 20% lighter version of the original color is **88.7128, 87.3256, 106.7876**, and **36.2344, 28.6859, 35.0797** is the 20% darker color. If you saturate the color by 10%, you get **62.4119, 47.8256, 57.6296**, and if you desaturate by 10%, it is **76.2932, 69.6423, 80.5871**.

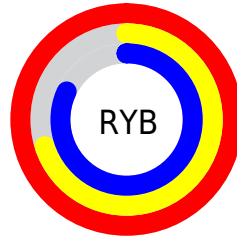
Distribution



Red (100%)

Green (70%)

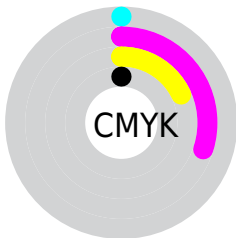
Blue (82%)



Red (100%)

Yellow (70%)

Blue (82%)

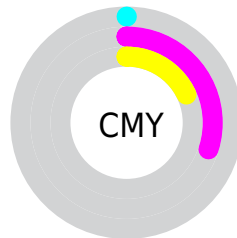


Cyan (0%)

Magenta (30%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (30%)


Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7933, 57.7539, 68.4946 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 68.7933, 57.7539, 68.4946 by changing the saturation by 10% instead.


 68.7933, 57.7539,
68.4946

 68.7933, 57.7539,
68.4946


445.6344,
416.2683, 473.8920

 50.8194, 41.6108,
49.8310


 116.5220,
101.5644, 118.7203

 36.2854, 28.7967,
34.9089


147.0075,
130.0006, 151.1195

 24.8258, 18.9271,
23.3097


182.3943,
163.3033, 188.9344

 16.0754, 11.6176,
14.6149

223.0476,
201.8569, 232.5834

 9.6687, 6.4839,
8.4060

269.3330,
246.0459, 282.4851

 5.2404, 3.1415,
4.2643

321.6157,

 2.4252, 1.2060,

296.2545, 339.0581

1.7714

380.2610,
352.8671, 402.7209

■ 0.8577, 0.0666,
0.4090

■ 0.0000, 0.0000,
0.0000

■ 68.7933, 57.7539,
68.4946

■ 68.7933, 57.7539,
68.4946

■ 62.4119, 47.8256,
57.6296

■ 76.2932, 69.6423,
80.5871

■ 57.0882, 39.7435,
47.9463

■ 84.9606, 83.5818,
93.9435

■ 52.7610, 33.3932,
39.4011

94.8462, 99.6666,
108.6029

■ 49.3612, 28.6442,
31.9454

95.0500, 100.0000,
108.9000

■ 46.8097, 25.3477,
25.5263

■ 45.0133, 23.3257,
20.0846

■ 43.8398, 22.2999,
15.6202

Harmonies

Analogous

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



65.7297, 57.7539, 88.9885



68.7933, 57.7539, 68.4946



67.8995, 57.7539, 50.1500

Triad

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



68.7933, 57.7539, 68.4946



50.2454, 57.7539, 34.2142



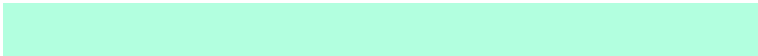
47.2010, 57.7539, 96.8243

Complementary

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



68.7933, 57.7539, 68.4946



67.4414, 86.3137, 82.9211

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.



43.6641, 57.7539, 77.6098



68.7933, 57.7539, 68.4946



45.3187, 57.7539, 42.4604

Square

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



68.7933, 57.7539, 68.4946



56.8189, 57.7539, 32.7612



43.0045, 57.7539, 57.5888



53.0118, 57.7539, 107.4061

Rectangle

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



68.7933, 57.7539, 68.4946



65.2092, 57.7539, 41.2562



43.0045, 57.7539, 57.5888



45.7272, 57.7539, 90.9944

Sweetspot

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



68.7946, 57.7564, 68.4958



86.0757, 85.3874, 95.6243



64.3781, 54.7383, 101.7802



18.1333, 17.8062, 20.0296



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.



68.7946, 57.7564, 68.4958



64.9563, 51.7589, 62.0400



66.5048, 58.9312, 49.9923



18.3224, 18.1123, 20.3150



22.9774, 11.6803, 8.5315



2.2901, 1.1584, 1.1092

Inverse Universe

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



68.7946, 57.7564, 68.4958



64.9563, 51.7589, 62.0400



70.1587, 84.1801, 107.1584



18.3224, 18.1123, 20.3150



22.9774, 11.6803, 8.5315



2.2901, 1.1584, 1.1092

Previews

White Background



This preview shows how the XYZ color 68.7933, 57.7539, 68.4946 looks on a white background.

Color Contrast Check

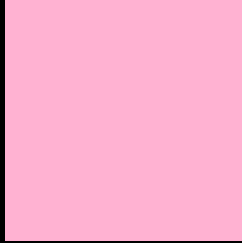
Large Text (above 18pt) WCAG AA × Fail

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 68.7933, 57.7539, 68.4946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

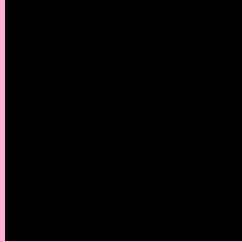
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.7933, 57.7539, 68.4946

Background



This preview shows how black text looks on a background with the XYZ color 68.7933, 57.7539, 68.4946.



This preview shows how white text looks on a background with the XYZ color 68.7933, 57.7539,

68.4946.

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

68.7933, 57.7539, 68.4946

Protanopia

56.7687, 58.0449, 78.0238

Deuteranopia

59.1695, 57.8403, 67.0772



Tritanopia

66.7695, 57.8254, 58.6812

Trichromacy



Original Color

68.7933, 57.7539, 68.4946



Protanomaly

60.1991, 57.2290, 74.2031



Deuteranomaly

62.3234, 57.5094, 67.4901



Tritanomaly

67.6196, 57.8835, 62.2523

Monochromacy



Original Color

68.7933, 57.7539, 68.4946



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

61.2090, 59.2232, 67.2366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7933, 57.7539, 68.4946 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, 178, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 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, 178, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 210) }
```

Border

The CSS property to change the border of an element to XYZ 68.7933, 57.7539, 68.4946 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, 178, 210) }
```


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

```
.border{ border-color:rgb(255, 178, 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, 178, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7933, 57.7539, 68.4946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 210) }
```

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

```
.background{ background-color: rgb(255,  
178, 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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