

Converting Colors

XYZ(69.8186, 58.5168,
102.2228)

Have a look what the booklet for
XYZ(69.8186, 58.5168, 102.2228)
contains.

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Color

**XYZ(69.8338, 58.4449,
102.2081)**

Conversions

Conversions Part 1

Format	Color
Hex	EEB5FF
RGB	238, 181, 255
RGB Percent	93%, 71%, 100%
CMY	0.0667, 0.2902, 0.0000
CMYK	0.07, 0.29, 0.00, 0.00
HSL	286°, 100%, 85%
HSV	286°, 29%, 100%
XYZ	69.8338, 58.4449, 102.2081
YIQ	206.4790, 10.2180, 35.0980

Conversions

Conversions Part 2

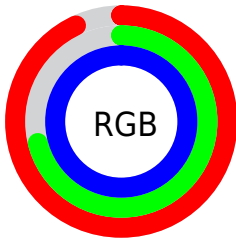
Format	Color
R _Y B	238, 181, 255
Decimal	15644159
CIE Lab	80.99, 33.13, -28.61
CIE LCh	81, 43.777, 319.191
Yxy	58.4449, 0.3030, 0.2536
Android (android.graphics.Color)	4293834239 (0xFFEEB5FF)
YUV	206.4790, 23.9209, 27.6439
Hunter-Lab	76.4493, 29.2675, -25.7527

Details

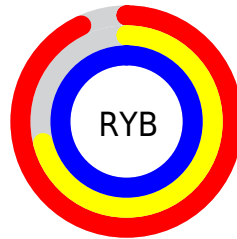
The XYZ color **69.8338, 58.4449, 102.2081** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.3905, 86.8626, 56.9331**, and the grayscale version is **58.8215, 61.8848, 67.3926**.

A 20% lighter version of the original color is **89.5742, 89.0484, 107.0747**, and **36.8385, 29.0797, 57.0974** is the 20% darker color. If you saturate the color by 10%, you get **63.1812, 48.0111, 100.5448**, and if you desaturate by 10%, it is **77.5027, 70.8143, 104.1914**.

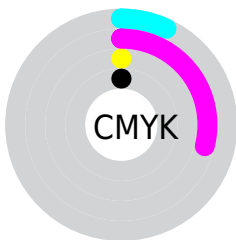
Distribution



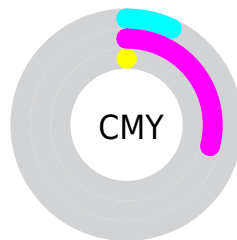
- Red (93%)
- Green (71%)
- Blue (100%)



- Red (93%)
- Yellow (71%)
- Blue (100%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8338, 58.4449, 102.2081 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 69.8338, 58.4449, 102.2081 by changing the saturation by 10% instead.

69.8338, 58.4449,
102.2081

69.8338, 58.4449,
102.2081

449.2418,
418.8417, 588.5561

51.6702, 42.1664,
77.5188

117.9993,
102.5705, 166.2666

36.9654, 29.2316,
57.1646

148.7318,
131.1863, 206.4728

25.3543, 19.2561,
40.7272

184.3847,
164.6834, 252.6884

16.4713, 11.8555,
27.7879

225.3233,
203.4462, 305.3320

9.9513, 6.6454,
17.9282

271.9129,
247.8590, 364.8220

5.4287, 3.2413,
10.7295

324.5190,

2.5382, 1.2590,

298.3063, 431.5770

5.7734

383.5068,
355.1724, 506.0155

■ 0.9146, 0.1091,
2.6412

■ 0.0000, 0.0000,
0.9136

■ 69.8338, 58.4449,
102.2081

■ 69.8338, 58.4449,
102.2081

■ 63.1812, 48.0111,
100.5448

■ 77.5027, 70.8143,
104.1914

■ 57.4873, 39.4017,
99.1831

■ 86.2313, 85.2080,
106.5096

■ 52.6964, 32.5053,
98.1045

95.0500, 100.0000,
108.9000

■ 48.7448, 27.1949,
97.2877

■ 45.5596, 23.3260,
96.7088

■ 43.0546, 20.7270,
96.3392

■ 41.1025, 19.1444,
96.1366

■ 40.9249, 19.0124,
96.1205

Harmonies

Analogous

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



61.4866, 58.4449, 123.4722



69.8338, 58.4449, 102.2081



74.5159, 58.4449, 73.4773

Triad

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



69.8338, 58.4449, 102.2081



58.8876, 58.4449, 26.0856



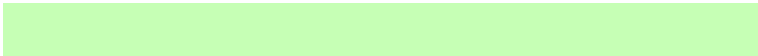
40.6446, 58.4449, 81.5205

Complementary

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



69.8338, 58.4449, 102.2081



67.3905, 86.8626, 56.9331

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.



40.1109, 58.4449, 54.7161



69.8338, 58.4449, 102.2081



50.0086, 58.4449, 27.1429

Square

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



69.8338, 58.4449, 102.2081



67.7539, 58.4449, 32.8079



43.3604, 58.4449, 36.2425



44.9075, 58.4449, 109.4575

Rectangle

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



69.8338, 58.4449, 102.2081



74.6200, 58.4449, 55.9826



43.3604, 58.4449, 36.2425



40.0421, 58.4449, 71.9582

Sweetspot

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



69.8355, 58.4473, 102.2085



86.2476, 85.2352, 106.5140



57.3632, 57.5564, 102.6939



18.1742, 17.7677, 22.7216



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.



69.8355, 58.4473, 102.2085



65.7361, 51.9784, 101.1759



72.7991, 60.3235, 86.6071



18.3607, 18.0777, 22.7716



21.5210, 10.0050, 50.2315



2.1900, 1.0229, 4.8953

Inverse Universe

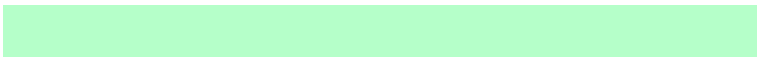
The Inverse Universe completely reimagines the original color for something new.



67.9583, 58.3872, 61.1160



63.7206, 51.9975, 53.2732



65.3290, 85.5491, 68.1657



18.1803, 18.0554, 19.5665



22.0022, 11.2902, 3.3959



2.1818, 1.1151, 0.5390

Previews

White Background



This preview shows how the XYZ color 69.8338, 58.4449, 102.2081 looks on a white background.

Color Contrast Check

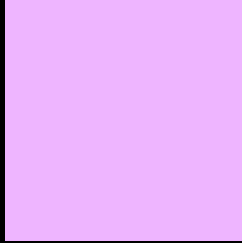
Large Text (above 18pt) WCAG AA × Fail

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 69.8338, 58.4449, 102.2081 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 69.8338, 58.4449, 102.2081

Background



This preview shows how black text looks on a background with the XYZ color 69.8338, 58.4449, 102.2081.

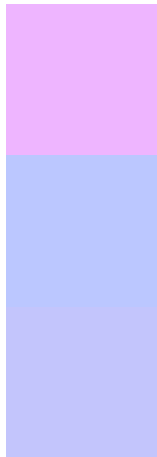


This preview shows how white text looks on a background with the XYZ color 69.8338, 58.4449,

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

69.8338, 58.4449, 102.2081

Protanopia

58.9669, 58.6316, 102.8169

Deuteranopia

60.0426, 58.5629, 100.2346



Tritanopia

62.6052, 58.6583, 65.7801

Trichromacy



Original Color

69.8338, 58.4449, 102.2081



Protanomaly

62.3532, 58.0411, 102.5244



Deuteranomaly

63.2244, 58.2023, 100.8304



Tritanomaly

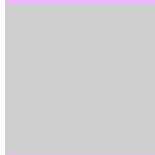
65.0213, 58.3608, 77.6498

Monochromacy



Original Color

69.8338, 58.4449, 102.2081



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.3342, 60.2197, 78.8592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8338, 58.4449, 102.2081 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(238, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 181, 255)  
}
```

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(238, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 181, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8338, 58.4449, 102.2081 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(238, 181, 255) }
```


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

```
.border{ border-color:rgb(238, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 181,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8338, 58.4449, 102.2081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 181, 255) }
```

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

```
.background{ background-color: rgb(238,  
181, 255) }
```

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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