

Converting Colors

XYZ(70.9469, 58.9912,
111.3324)

Have a look what the booklet for
XYZ(70.9469, 58.9912, 111.3324)
contains.

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Color

**XYZ(69.3700, 58.5088,
102.2449)**

Conversions

Conversions Part 1

Format	Color
Hex	ECB6FF
RGB	236, 182, 255
RGB Percent	93%, 71%, 100%
CMY	0.0745, 0.2863, 0.0000
CMYK	0.07, 0.29, 0.00, 0.00
HSL	284°, 100%, 86%
HSV	284°, 29%, 100%
XYZ	69.3700, 58.5088, 102.2449
YIQ	206.4680, 8.7510, 34.1510

Conversions

Conversions Part 2

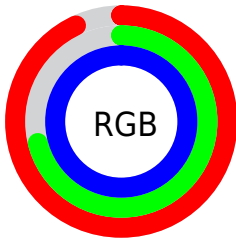
Format	Color
R _Y B	236, 182, 255
Decimal	15513343
CIE Lab	81.02, 31.98, -28.57
CIE LCh	81, 42.886, 318.222
Yxy	58.5088, 0.3014, 0.2542
Android (android.graphics.Color)	4293703423 (0xFFECB6FF)
YUV	206.4680, 23.9263, 25.8996
Hunter-Lab	76.4910, 28.0230, -25.7087

Details

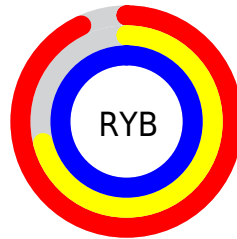
The XYZ color **69.3700, 58.5088, 102.2449** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **68.2923, 87.3156, 57.5130**, and the grayscale version is **58.8151, 61.8781, 67.3852**.

A 20% lighter version of the original color is **89.8645, 89.6291, 107.1715**, and **36.5026, 29.0993, 57.1189** is the 20% darker color. If you saturate the color by 10%, you get **62.4531, 47.8850, 100.5588**, and if you desaturate by 10%, it is **77.3230, 71.0813, 104.2524**.

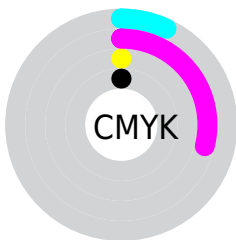
Distribution



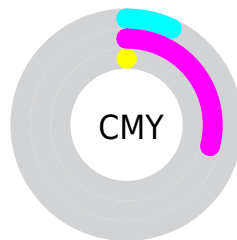
- Red (93%)
- Green (71%)
- Blue (100%)



- 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 69.3700, 58.5088, 102.2449 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 69.3700, 58.5088, 102.2449 by changing the saturation by 10% instead.

69.3700, 58.5088,
102.2449

69.3700, 58.5088,
102.2449

447.6358,
419.0792, 588.6743

51.2908, 42.2178,
77.5494

117.3411,
102.6634, 166.3175

36.6621, 29.2719,
57.1896

147.9637,
131.2959, 206.5316

25.1185, 19.2866,
40.7471

183.4982,
164.8109, 252.7557

16.2945, 11.8776,
27.8033

224.3098,
203.5930, 305.4083

9.8250, 6.6604,
17.9397

270.7641,
248.0264, 364.9079

5.3444, 3.2506,
10.7377

323.2263,

2.4876, 1.2639,

298.4957, 431.6731

5.7788

382.0617,
355.3851, 506.1224

■ 0.8890, 0.1130,
2.6444

■ 0.0000, 0.0000,
0.9153

■ 69.3700, 58.5088,
102.2449

■ 69.3700, 58.5088,
102.2449

■ 62.4531, 47.8850,
100.5588

■ 77.3230, 71.0813,
104.2524

■ 56.5147, 39.0988,
99.1759

■ 86.3556, 85.6912,
106.5964

■ 51.4991, 32.0392,
98.0776

95.0500, 100.0000,
108.9000

■ 47.3423, 26.5798,
97.2429

■ 43.9718, 22.5765,
96.6479

■ 41.3015, 19.8590,
96.2641

■ 39.2096, 18.1846,
96.0512

■ 38.9450, 17.9918,
96.0279

Harmonies

Analogous

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



61.1341, 58.5088, 122.5012



69.3700, 58.5088, 102.2449



74.0971, 58.5088, 74.2404

Triad

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



69.3700, 58.5088, 102.2449



59.1768, 58.5088, 26.7709



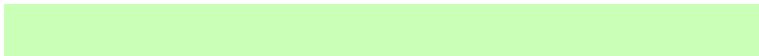
40.8916, 58.5088, 80.2889

Complementary

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



69.3700, 58.5088, 102.2449



68.2923, 87.3156, 57.5130

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.



40.4874, 58.5088, 54.2187



69.3700, 58.5088, 102.2449



50.4307, 58.5088, 27.5786

Square

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



69.3700, 58.5088, 102.2449



67.8061, 58.5088, 33.7073



43.8031, 58.5088, 36.3197



44.9732, 58.5088, 107.6768

Rectangle

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



69.3700, 58.5088, 102.2449



74.3206, 58.5088, 56.9529



43.8031, 58.5088, 36.3197



40.3384, 58.5088, 70.9732

Sweetspot

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



69.3717, 58.5112, 102.2453



85.9972, 85.1061, 106.5023



58.3391, 59.1587, 102.9517



18.1122, 17.7358, 22.7187



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.



69.3717, 58.5112, 102.2453



65.5281, 52.5648, 101.3001



73.3969, 60.8892, 88.7485



18.3042, 18.0485, 22.7689



20.4968, 9.4770, 50.1835



2.0979, 0.9754, 4.8910

Inverse Universe

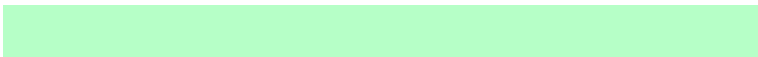
The Inverse Universe completely reimagines the original color for something new.



68.5120, 58.9352, 63.0251



64.6872, 53.1318, 56.0585



65.3658, 85.5910, 67.1311



18.2034, 18.0647, 19.6883



22.1197, 11.3372, 4.0148



2.1961, 1.1208, 0.6143

Previews

White Background



This preview shows how the XYZ color 69.3700, 58.5088, 102.2449 looks on a white background.

Color Contrast Check

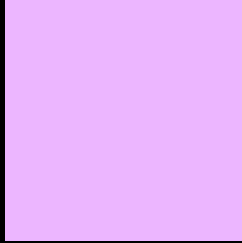
Large Text (above 18pt) WCAG AA × Fail

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 69.3700, 58.5088, 102.2449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

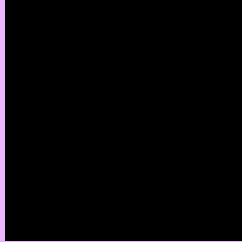
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.3700, 58.5088, 102.2449

Background



This preview shows how black text looks on a background with the XYZ color 69.3700, 58.5088, 102.2449.

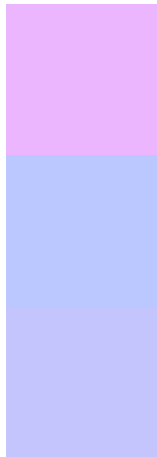


This preview shows how white text looks on a background with the XYZ color 69.3700, 58.5088,

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

69.3700, 58.5088, 102.2449

Protanopia

59.1978, 59.0933, 102.8938

Deuteranopia

60.0426, 58.5629, 100.2346



Tritanopia

62.0845, 58.3758, 66.3880

Trichromacy



Original Color

69.3700, 58.5088, 102.2449



Protanomaly

62.2968, 58.3391, 102.5849



Deuteranomaly

63.1576, 58.4928, 100.8900



Tritanomaly

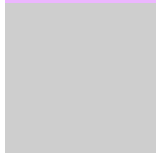
64.7165, 58.5041, 78.4025

Monochromacy



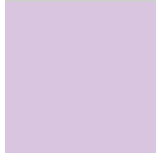
Original Color

69.3700, 58.5088, 102.2449



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

62.0361, 60.0660, 78.8453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3700, 58.5088, 102.2449 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(236, 182, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 182, 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(236, 182, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 182, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3700, 58.5088, 102.2449 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(236, 182, 255) }
```


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

```
.border{ border-color:rgb(236, 182, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 182, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 182, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 182, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 182,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3700, 58.5088, 102.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 182, 255) }
```

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

```
.background{ background-color: rgb(236,  
182, 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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