

Converting Colors

XYZ(68.2490, 55.3254, 99.7646)

Have a look what the booklet for
XYZ(68.2490, 55.3254, 99.7646)
contains.

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Color

**XYZ(68.2698, 55.3297,
100.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	EFADFD
RGB	239, 173, 253
RGB Percent	94%, 68%, 99%
CMY	0.0627, 0.3215, 0.0078
CMYK	0.06, 0.32, 0.00, 0.01
HSL	290°, 95%, 84%
HSV	290°, 32%, 99%
XYZ	68.2698, 55.3297, 100.0100
YIQ	201.8540, 13.6560, 38.8720

Conversions

Conversions Part 2

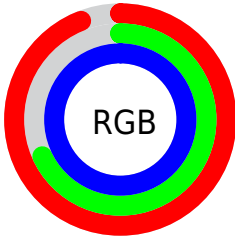
Format	Color
R _Y B	239, 173, 253
Decimal	15707645
CIE Lab	79.23, 37.30, -30.22
CIE LCh	79, 48.010, 320.988
Yxy	55.3297, 0.3053, 0.2474
Android (android.graphics.Color)	4293897725 (0xFFEFADFD)
YUV	201.8540, 25.2150, 32.5770
Hunter-Lab	74.3839, 33.6559, -27.6473

Details

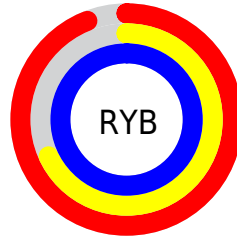
The XYZ color **68.2698, 55.3297, 100.0100** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **63.1635, 83.8338, 52.3903**, and the grayscale version is **55.8915, 58.8022, 64.0356**.

A 20% lighter version of the original color is **87.3093, 84.5186, 106.3198**, and **35.9717, 27.3635, 55.6103** is the 20% darker color. If you saturate the color by 10%, you get **62.3941, 45.7691, 98.4751**, and if you desaturate by 10%, it is **75.1042, 66.7509, 101.8551**.

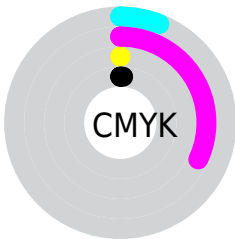
Distribution



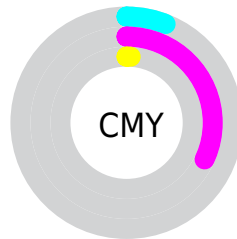
- Red (94%)
- Green (68%)
- Blue (99%)



- Red (94%)
- Yellow (68%)
- Blue (99%)



- Cyan (6%)
- Magenta (32%)
- Yellow (0%)
- Black (1%)



- Cyan (6%)
- Magenta (32%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2698, 55.3297, 100.0100 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 68.2698, 55.3297, 100.0100 by changing the saturation by 10% instead.

68.2698, 55.3297,
100.0100

68.2698, 55.3297,
100.0100

443.8131,
407.1605, 581.4717

50.3917, 39.6658,
75.6920

115.7778, 98.0238,
163.2229

35.9438, 27.2780,
55.6748

146.1385,
125.8228, 202.9549

24.5607, 17.7821,
39.5400

181.3907,
158.4356, 248.6619

15.8771, 10.7937,
26.8690

221.8999,
196.2466, 300.7625

9.5275, 5.9283,
17.2433

268.0314,
239.6402, 359.6752

5.1467, 2.8015,
10.2443

320.1505,

2.3692, 1.0290,

289.0008, 425.8187

5.4535

378.6226,
344.7128, 499.6113

■ 0.8297, 0.0000,
2.4524

■ 0.0000, 0.0000,
0.8148

■ 68.2698, 55.3297,
100.0100

■ 68.2698, 55.3297,
100.0100

■ 62.3941, 45.7691,
98.4751

■ 75.1042, 66.7509,
101.8551

■ 57.4195, 37.9580,
97.2296

■ 82.9401, 80.1216,
104.0229

■ 53.2903, 31.7841,
96.2556

■ 91.8242, 95.5334,
106.5295

■ 49.9424, 27.1195,
95.5317

94.7298, 99.8719,
107.2138

■ 47.3017, 23.8165,
95.0333

■ 45.2793, 21.6979,
94.7310

■ 43.9470, 20.6074,
94.5907

Harmonies

Analogous

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



59.4792, 55.3297, 124.2821



68.2698, 55.3297, 100.0100



73.0006, 55.3297, 68.9077

Triad

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



68.2698, 55.3297, 100.0100



55.5330, 55.3297, 21.6722



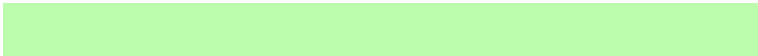
37.1736, 55.3297, 81.2247

Complementary

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



68.2698, 55.3297, 100.0100



63.1635, 83.8338, 52.3903

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.



36.3885, 55.3297, 52.3399



68.2698, 55.3297, 100.0100



46.2530, 55.3297, 23.1480

Square

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



68.2698, 55.3297, 100.0100



65.0811, 55.3297, 27.8046



39.5147, 55.3297, 32.7256



41.8077, 55.3297, 111.3439

Rectangle

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



68.2698, 55.3297, 100.0100



72.8632, 55.3297, 50.7227



39.5147, 55.3297, 32.7256



36.4750, 55.3297, 70.8893

Sweetspot

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



68.2716, 55.3321, 100.0112



86.6985, 85.4676, 106.5351



52.8775, 51.8028, 100.1413



18.2858, 17.8253, 22.7268



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.



68.2716, 55.3321, 100.0112



65.5682, 49.8924, 100.7821



69.4106, 56.3550, 80.3774



18.4624, 18.1301, 22.7763



23.4892, 11.0196, 50.3236



2.3653, 1.1133, 4.9035

Inverse Universe

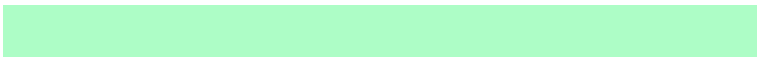
The Inverse Universe completely reimagines the original color for something new.



64.4230, 54.3600, 54.1131



61.2274, 48.8452, 46.7880



62.5923, 83.2288, 66.3960



18.1391, 18.0390, 19.3497



21.8299, 11.2213, 2.4888



2.1594, 1.1062, 0.4211

Previews

White Background



This preview shows how the XYZ color 68.2698, 55.3297, 100.0100 looks on a white background.

Color Contrast Check

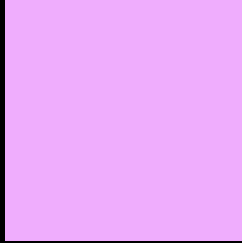
Large Text (above 18pt) WCAG AA × Fail

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 68.2698, 55.3297, 100.0100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

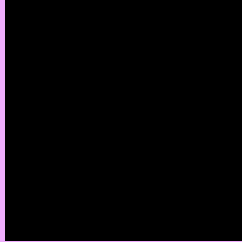
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.2698, 55.3297, 100.0100

Background



This preview shows how black text looks on a background with the XYZ color 68.2698, 55.3297, 100.0100.



This preview shows how white text looks on a background with the XYZ color 68.2698, 55.3297,

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

68.2698, 55.3297, 100.0100

Protanopia

56.3875, 55.9535, 102.4359

Deuteranopia

56.9079, 55.6708, 97.3687



Tritanopia

60.2885, 55.3471, 60.9316

Trichromacy



Original Color

68.2698, 55.3297, 100.0100



Protanomaly

59.7471, 55.1139, 101.2550



Deuteranomaly

60.5464, 55.2853, 97.9225



Tritanomaly

62.9078, 55.1969, 73.6681

Monochromacy



Original Color

68.2698, 55.3297, 100.0100



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

59.7063, 56.9291, 76.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2698, 55.3297, 100.0100 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(239, 173, 253)` looks like.

```
.text, #text, p{  
    color:rgb(239, 173, 253)  
}
```

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(239, 173, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 173, 253) }
```

Border

The CSS property to change the border of an element to XYZ 68.2698, 55.3297, 100.0100 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(239, 173, 253) }
```


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

```
.border{ border-color:rgb(239, 173, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 173, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 173, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 173, 253);  
box-shadow:4px 4px 4px 4px rgb(239, 173,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2698, 55.3297, 100.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 173, 253) }
```

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

```
.background{ background-color: rgb(239,  
173, 253) }
```

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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