

Converting Colors

XYZ(66.9020, 54.8369,
110.2345)

Have a look what the booklet for
XYZ(66.9020, 54.8369, 110.2345)
contains.

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Color

**XYZ(65.3749, 54.3739,
101.6573)**

Conversions

Conversions Part 1

Format	Color
Hex	E4AFFF
RGB	228, 175, 255
RGB Percent	89%, 69%, 100%
CMY	0.1059, 0.3137, 0.0000
CMYK	0.11, 0.31, 0.00, 0.00
HSL	280°, 100%, 84%
HSV	280°, 31%, 100%
XYZ	65.3749, 54.3739, 101.6573
YIQ	199.9670, 5.9080, 36.1160

Conversions

Conversions Part 2

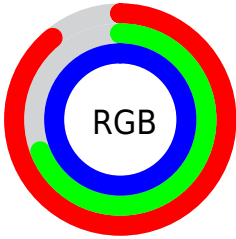
Format	Color
R _Y B	228, 175, 255
Decimal	14987263
CIE Lab	78.68, 33.26, -32.23
CIE LCh	79, 46.318, 315.898
Yxy	54.3739, 0.2953, 0.2456
Android (android.graphics.Color)	4293177343 (0xFFE4AFFF)
YUV	199.9670, 27.1313, 24.5849
Hunter-Lab	73.7387, 29.2111, -30.1211

Details

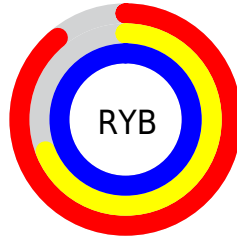
The XYZ color **65.3749, 54.3739, 101.6573** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.8561, 87.1722, 53.8094**, and the grayscale version is **54.7166, 57.5662, 62.6896**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **34.1658, 26.7669, 56.7919** is the 20% darker color. If you saturate the color by 10%, you get **58.2103, 43.9966, 100.0319**, and if you desaturate by 10%, it is **73.6158, 66.6999, 103.6021**.

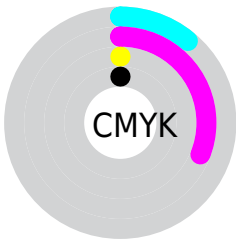
Distribution



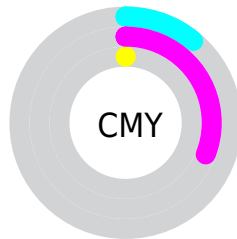
- Red (89%)
- Green (69%)
- Blue (100%)



- Red (89%)
- Yellow (69%)
- Blue (100%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3749, 54.3739, 101.6573 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 65.3749, 54.3739, 101.6573 by changing the saturation by 10% instead.

65.3749, 54.3739,
101.6573

65.3749, 54.3739,
101.6573

433.6619,
403.5342, 586.7852

48.0310, 38.9007,
77.0608

111.6514, 96.6230,
165.5045

34.0628, 26.6825,
56.7909

141.3147,
124.1677, 205.5923

23.1049, 17.3349,
40.4291

175.8151,
156.5050, 251.6809

14.7921, 10.4735,
27.5570

215.5180,
194.0192, 304.1889

8.7590, 5.7140,
17.7558

260.7888,
237.0949, 363.5347

4.6402, 2.6720,
10.6072

311.9928,

2.0703, 0.9630,

286.1164, 430.1370

5.6925

369.4954,
341.4680, 504.4143

■ 0.6730, 0.0000,
2.5933

■ 0.0000, 0.0000,
0.8890

■ 65.3749, 54.3739,
101.6573

■ 65.3749, 54.3739,
101.6573

■ 58.2103, 43.9966,
100.0319

■ 73.6158, 66.6999,
103.6021

■ 52.0622, 35.4544,
98.7071

■ 82.9786, 81.0663,
105.8817

■ 46.8721, 28.6324,
97.6639

■ 93.5124, 97.5671,
108.5114

■ 42.5729, 23.3993,
96.8804

■ 95.0500, 100.0000,
108.9000

■ 39.0877, 19.6045,
96.3316

■ 36.3244, 17.0669,
95.9875

■ 34.3993, 15.6484,
95.8151

Harmonies

Analogous

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



56.6524, 54.3739, 122.1012



65.3749, 54.3739, 101.6573



70.6947, 54.3739, 72.3509

Triad

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



65.3749, 54.3739, 101.6573



56.0877, 54.3739, 22.5436



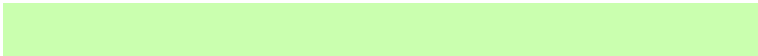
36.5372, 54.3739, 74.1096

Complementary

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



65.3749, 54.3739, 101.6573



67.8561, 87.1722, 53.8094

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.



36.4240, 54.3739, 47.7546



65.3749, 54.3739, 101.6573



47.0088, 54.3739, 22.7592

Square

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



65.3749, 54.3739, 101.6573



64.9196, 54.3739, 29.8875



40.0464, 54.3739, 30.6015



40.3764, 54.3739, 103.2679

Rectangle

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



65.3749, 54.3739, 101.6573



71.2347, 54.3739, 54.1747



40.0464, 54.3739, 30.6015



36.0789, 54.3739, 64.5352

Sweetspot

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



65.3765, 54.3761, 101.6577



85.3683, 84.7819, 106.4729



57.0869, 59.0478, 102.9963



17.9567, 17.6557, 22.7114



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.



65.3765, 54.3761, 101.6577



60.5092, 47.2844, 100.5454



72.7487, 58.3929, 92.2313



18.1623, 17.9754, 22.7623



18.1400, 8.2620, 50.0732



1.8828, 0.8645, 4.8809

Inverse Universe

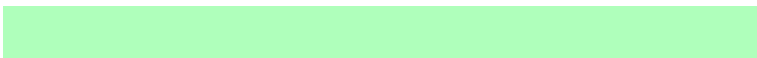
The Inverse Universe completely reimagines the original color for something new.



67.2318, 56.1861, 63.1801



62.8662, 49.5008, 55.4177



62.4103, 84.2225, 59.9831



18.2623, 18.0882, 19.9983



22.4898, 11.4852, 5.9637



2.2383, 1.1377, 0.8364

Previews

White Background



This preview shows how the XYZ color 65.3749, 54.3739, 101.6573 looks on a white background.

Color Contrast Check

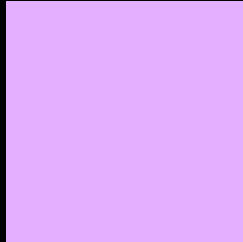
Large Text (above 18pt) WCAG AA × Fail

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 65.3749, 54.3739, 101.6573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

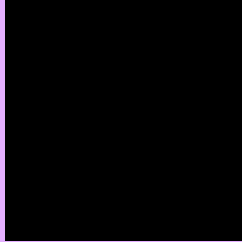
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.3749, 54.3739, 101.6573

Background



This preview shows how black text looks on a background with the XYZ color 65.3749, 54.3739, 101.6573.



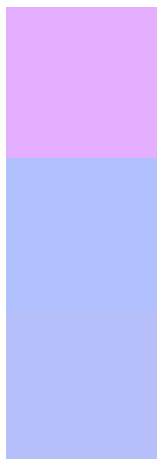
This preview shows how white text looks on a background with the XYZ color 65.3749, 54.3739,

101.6573.

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

65.3749, 54.3739, 101.6573

Protanopia

55.2514, 54.7070, 102.2552

Deuteranopia

56.1875, 54.9179, 99.7343



Tritanopia

57.4994, 54.5036, 62.1333

Trichromacy



Original Color

65.3749, 54.3739, 101.6573



Protanomaly

58.3739, 54.0736, 101.9684



Deuteranomaly

59.1079, 54.4890, 100.3306

Tritanomaly

60.0776, 54.3112, 75.0268

Monochromacy



Original Color

65.3749, 54.3739, 101.6573



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

58.1274, 56.1305, 75.4808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3749, 54.3739, 101.6573 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(228, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 175, 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(228, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.3749, 54.3739, 101.6573 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(228, 175, 255) }
```


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

```
.border{ border-color:rgb(228, 175, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3749, 54.3739, 101.6573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 175, 255) }
```

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

```
.background{ background-color: rgb(228,  
175, 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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