

Converting Colors

XYZ(64.2308, 53.8575, 97.3705)

Have a look what the booklet for
XYZ(64.2308, 53.8575, 97.3705)
contains.

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Color

**XYZ(64.2638, 53.8930,
97.4578)**

Conversions

Conversions Part 1

Format	Color
Hex	E3AFFA
RGB	227, 175, 250
RGB Percent	89%, 69%, 98%
CMY	0.1098, 0.3137, 0.0196
CMYK	0.09, 0.30, 0.00, 0.02
HSL	282°, 88%, 83%
HSV	282°, 30%, 98%
XYZ	64.2638, 53.8930, 97.4578
YIQ	199.0980, 6.9170, 34.3490

Conversions

Conversions Part 2

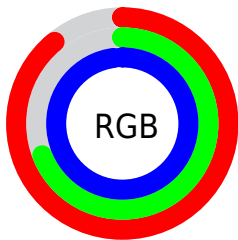
Format	Color
R _Y B	227, 175, 250
Decimal	14921722
CIE Lab	78.40, 31.95, -29.99
CIE LCh	78, 43.820, 316.818
Yxy	53.8930, 0.2980, 0.2500
Android (android.graphics.Color)	4293111802 (0xFFE3AFFA)
YUV	199.0980, 25.0947, 24.4701
Hunter-Lab	73.4119, 27.7859, -27.3221

Details

The XYZ color **64.2638, 53.8930, 97.4578** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.2141, 83.4735, 53.2349**, and the grayscale version is **54.1959, 57.0183, 62.0930**.

A 20% lighter version of the original color is **87.8659, 85.6318, 106.5053**, and **33.3798, 26.4272, 53.7937** is the 20% darker color. If you saturate the color by 10%, you get **57.4769, 43.8285, 95.8737**, and if you desaturate by 10%, it is **72.0626, 65.8189, 99.3495**.

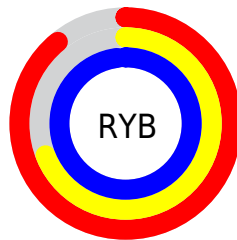
Distribution



Red (89%)

Green (69%)

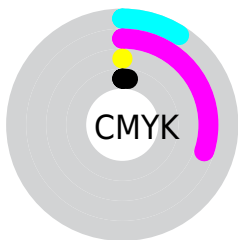
Blue (98%)



Red (89%)

Yellow (69%)

Blue (98%)

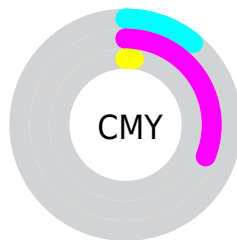


Cyan (9%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (11%)

Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2638, 53.8930, 97.4578 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 64.2638, 53.8930, 97.4578 by changing the saturation by 10% instead.

64.2638, 53.8930,
97.4578

64.2638, 53.8930,
97.4578

429.7288,
401.7019, 573.1879

47.1268, 38.5161,
73.5741

110.0624, 95.9171,
159.6805

33.3443, 26.3835,
53.9509

139.4547,
123.3332, 198.8566

22.5508, 17.1108,
38.1695

173.6629,
155.5310, 243.9672

14.3811, 10.3135,
25.8114

213.0523,
192.8951, 295.4310

8.4696, 5.6073,
16.4581

257.9882,
235.8099, 353.6664

4.4512, 2.6078,
9.6910

308.8360,

1.9604, 0.9306,

284.6597, 419.0920

5.0917

365.9611,
339.8289, 492.1263

■ 0.6116, 0.0000,
2.2415

■ 0.0000, 0.0000,
0.6982

■ 64.2638, 53.8930,
97.4578

■ 64.2638, 53.8930,
97.4578

■ 57.4769, 43.8285,
95.8737

■ 72.0626, 65.8189,
99.3495

■ 51.6455, 35.5184,
94.5770

■ 80.9153, 79.6921,
101.5607

■ 46.7153, 28.8550,
93.5507

■ 90.8679, 95.6012,
104.1069

■ 42.6239, 23.7156,
92.7744

■ 94.2555, 99.6822,
104.7161

■ 39.3002, 19.9601,
92.2247

■ 36.6594, 17.4215,
91.8738

■ 34.5630, 15.8246,
91.6761

■ 34.5627, 15.8244,
91.6761

Harmonies

Analogous

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



56.1627, 53.8930, 116.7471



64.2638, 53.8930, 97.4578



69.0859, 53.8930, 70.1663

Triad

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



64.2638, 53.8930, 97.4578



55.0912, 53.8930, 23.5727



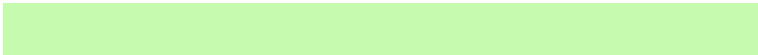
36.9589, 53.8930, 73.4896

Complementary

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



64.2638, 53.8930, 97.4578



65.2141, 83.4735, 53.2349

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.



36.7407, 53.8930, 48.5216



64.2638, 53.8930, 97.4578



46.5830, 53.8930, 23.9990

Square

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



64.2638, 53.8930, 97.4578



63.4040, 53.8930, 30.4605



40.0789, 53.8930, 31.8546



40.7126, 53.8930, 100.4703

Rectangle

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



64.2638, 53.8930, 97.4578



69.4761, 53.8930, 53.2316



40.0789, 53.8930, 31.8546



36.4857, 53.8930, 64.4887

Sweetspot

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



64.2656, 53.8953, 97.4590



85.6186, 84.9109, 106.4846



55.3026, 56.7504, 98.4825



18.0186, 17.6875, 22.7143



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.



64.2656, 53.8953, 97.4590



62.8132, 49.7916, 100.9079



69.9326, 57.0569, 86.8760



17.4447, 17.2419, 21.7939



18.4867, 8.4729, 48.6346



1.8203, 0.8405, 4.5095

Inverse Universe

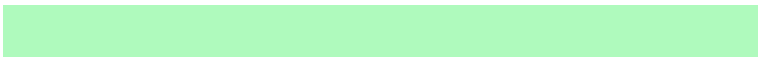
The Inverse Universe completely reimagines the original color for something new.



64.9492, 55.0635, 60.6338



63.8156, 51.3026, 56.0328



61.0249, 81.1498, 60.4515



17.4638, 17.3129, 19.0319



21.6723, 11.0846, 4.9828



2.0524, 1.0447, 0.6992

Previews

White Background



This preview shows how the XYZ color 64.2638, 53.8930, 97.4578 looks on a white background.

Color Contrast Check

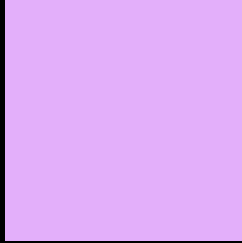
Large Text (above 18pt) WCAG AA × Fail

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 64.2638, 53.8930, 97.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

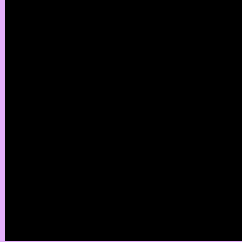
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.2638, 53.8930, 97.4578

Background



This preview shows how black text looks on a background with the XYZ color 64.2638, 53.8930, 97.4578.



This preview shows how white text looks on a background with the XYZ color 64.2638, 53.8930,

97.4578.

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

64.2638, 53.8930, 97.4578

Protanopia

55.0311, 54.2664, 102.1818

Deuteranopia

55.4269, 54.2913, 95.5536



Tritanopia

56.8712, 53.8815, 61.4356

Trichromacy



Original Color

64.2638, 53.8930, 97.4578



Protanomaly

57.7942, 53.8118, 100.2691



Deuteranomaly

58.1117, 53.7546, 96.1198



Tritanomaly

59.3030, 53.6393, 73.5575

Monochromacy



Original Color

64.2638, 53.8930, 97.4578



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

57.3628, 55.4442, 74.0081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2638, 53.8930, 97.4578 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(227, 175, 250)` looks like.

```
.text, #text, p{  
    color:rgb(227, 175, 250)  
}
```

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(227, 175, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 175, 250) }
```

Border

The CSS property to change the border of an element to XYZ 64.2638, 53.8930, 97.4578 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(227, 175, 250) }
```


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

```
.border{ border-color:rgb(227, 175, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 175, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 175, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 175, 250);  
box-shadow:4px 4px 4px 4px rgb(227, 175,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2638, 53.8930, 97.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 175, 250) }
```

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

```
.background{ background-color: rgb(227,  
175, 250) }
```

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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