

Converting Colors

XYZ(67.7713, 56.1118, 97.9974)

Have a look what the booklet for
XYZ(67.7713, 56.1118, 97.9974)
contains.

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Color

**XYZ(67.7057, 55.9573,
97.6748)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB0FA
RGB	237, 176, 250
RGB Percent	93%, 69%, 98%
CMY	0.0706, 0.3098, 0.0196
CMYK	0.05, 0.30, 0.00, 0.02
HSL	289°, 88%, 84%
HSV	289°, 30%, 98%
XYZ	67.7057, 55.9573, 97.6748
YIQ	202.6750, 12.6020, 35.9460

Conversions

Conversions Part 2

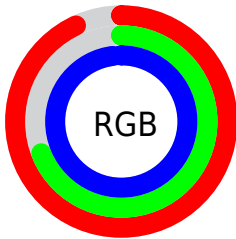
Format	Color
R _Y B	237, 176, 250
Decimal	15577338
CIE Lab	79.59, 34.52, -28.08
CIE LCh	80, 44.499, 320.877
Yxy	55.9573, 0.3059, 0.2528
Android (android.graphics.Color)	4293767418 (0xFFEDB0FA)
YUV	202.6750, 23.3312, 30.1030
Hunter-Lab	74.8046, 30.6524, -25.0536

Details

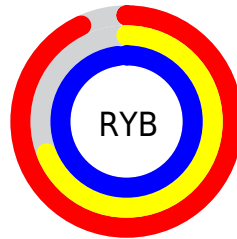
The XYZ color **67.7057, 55.9573, 97.6748** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **63.0102, 82.3260, 53.6464**, and the grayscale version is **56.4154, 59.3534, 64.6359**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **35.5310, 27.7195, 53.9298** is the 20% darker color. If you saturate the color by 10%, you get **61.8000, 46.2951, 96.1219**, and if you desaturate by 10%, it is **74.5535, 67.4480, 99.5327**.

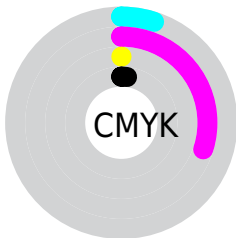
Distribution



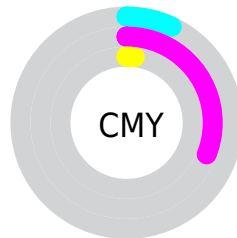
- Red (93%)
- Green (69%)
- Blue (98%)



- Red (93%)
- Yellow (69%)
- Blue (98%)



- Cyan (5%)
- Magenta (30%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (31%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7057, 55.9573, 97.6748 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 67.7057, 55.9573, 97.6748 by changing the saturation by 10% instead.

67.7057, 55.9573,
97.6748

67.7057, 55.9573,
97.6748

441.8457,
409.5306, 573.8947

49.9311, 40.1687,
73.7541

114.9753, 98.9421,
159.9820

35.5763, 27.6701,
54.0972

145.2010,
126.9072, 199.2056

24.2757, 18.0771,
38.2857

180.3078,
159.6998, 244.3672

15.6641, 11.0054,
25.9009

220.6610,
197.7044, 295.8854

9.3761, 6.0704,
16.5244

266.6261,
241.3054, 354.1787

5.0464, 2.8880,
9.7377

318.5683,

2.3095, 1.0735,

290.8871, 419.6657

5.1220

376.8531,
346.8341, 492.7648

■ 0.7995, 0.0000,
2.2591

■ 0.0000, 0.0000,
0.7081

■ 67.7057, 55.9573,
97.6748

■ 67.7057, 55.9573,
97.6748

■ 61.8000, 46.2951,
96.1219

■ 74.5535, 67.4480,
99.5327

■ 56.7811, 38.3548,
94.8538

■ 82.3841, 80.8519,
101.7071

■ 52.5963, 32.0301,
93.8536

■ 91.2423, 96.2567,
104.2137

■ 49.1846, 27.1993,
93.1010

■ 94.0972, 99.6006,
104.7087

■ 46.4764, 23.7238,
92.5729

■ 94.2555, 99.6822,
104.7161

■ 44.3890, 21.4386,
92.2418

■ 42.7920, 20.0829,
92.0643

■ 42.7320, 20.0358,
92.0584

Harmonies

Analogous

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



59.5660, 55.9573, 119.6505



67.7057, 55.9573, 97.6748



72.0787, 55.9573, 69.0927

Triad

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



67.7057, 55.9573, 97.6748



55.9650, 55.9573, 24.0363



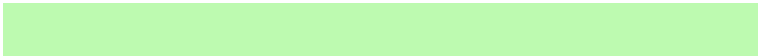
38.6550, 55.9573, 80.2615

Complementary

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



67.7057, 55.9573, 97.6748



63.0102, 82.3260, 53.6464

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.



37.9214, 55.9573, 53.4332



67.7057, 55.9573, 97.6748



47.2782, 55.9573, 25.4709

Square

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



67.7057, 55.9573, 97.6748



64.8168, 55.9573, 30.1011



40.9060, 55.9573, 34.7917



43.0366, 55.9573, 107.7942

Rectangle

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



67.7057, 55.9573, 97.6748



71.9666, 55.9573, 52.0817



40.9060, 55.9573, 34.7917



37.9945, 55.9573, 70.7232

Sweetspot

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



67.7075, 55.9597, 97.6760



86.6929, 85.4647, 106.5349



53.4818, 52.7742, 97.8109



18.2844, 17.8246, 22.7267



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.



67.7075, 55.9597, 97.6760



66.7366, 51.8141, 101.0915



68.7567, 56.8991, 79.7203



17.6763, 17.3613, 21.8047



22.7762, 10.6843, 48.8354



2.1853, 1.0287, 4.5265

Inverse Universe

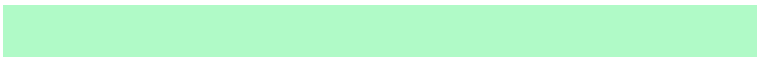
The Inverse Universe completely reimagines the original color for something new.



64.1368, 55.0511, 55.3920



62.5425, 50.7934, 49.3291



62.4512, 81.7464, 66.7864



17.3691, 17.2750, 18.5332



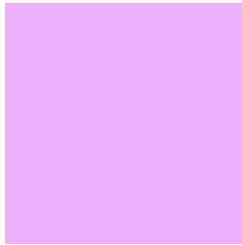
21.1885, 10.8911, 2.4353



1.9958, 1.0220, 0.4012

Previews

White Background



This preview shows how the XYZ color 67.7057, 55.9573, 97.6748 looks on a white background.

Color Contrast Check

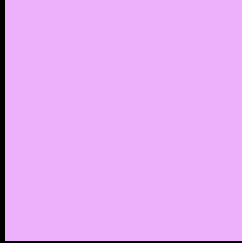
Large Text (above 18pt) WCAG AA × Fail

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 67.7057, 55.9573, 97.6748 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 67.7057, 55.9573, 97.6748

Background



This preview shows how black text looks on a background with the XYZ color 67.7057, 55.9573, 97.6748.



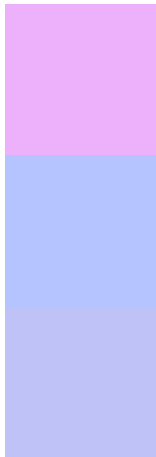
This preview shows how white text looks on a background with the XYZ color 67.7057, 55.9573,

97.6748.

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

67.7057, 55.9573, 97.6748

Protanopia

56.6212, 56.0740, 102.4468

Deuteranopia

57.5661, 56.3753, 95.8432



Tritanopia

60.6174, 56.1109, 62.2792

Trichromacy



Original Color

67.7057, 55.9573, 97.6748



Protanomaly

59.8002, 55.4758, 100.4846



Deuteranomaly

60.7260, 55.7279, 96.3629



Tritanomaly

62.9871, 55.8415, 73.7884

Monochromacy



Original Color

67.7057, 55.9573, 97.6748



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.0126, 57.7543, 75.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7057, 55.9573, 97.6748 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(237, 176, 250)` looks like.

```
.text, #text, p{  
    color:rgb(237, 176, 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(237, 176, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 176, 250) }
```

Border

The CSS property to change the border of an element to XYZ 67.7057, 55.9573, 97.6748 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(237, 176, 250) }
```


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

```
.border{ border-color:rgb(237, 176, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 176, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 176, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 176, 250);  
box-shadow:4px 4px 4px 4px rgb(237, 176,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7057, 55.9573, 97.6748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 176, 250) }
```

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

```
.background{ background-color: rgb(237,  
176, 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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