

Converting Colors

XYZ(67.8565, 56.3998, 98.5419)

Have a look what the booklet for
XYZ(67.8565, 56.3998, 98.5419)
contains.

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Color

**XYZ(67.7268, 56.2422,
98.5530)**

Conversions

Conversions Part 1

Format	Color
Hex	ECB1FB
RGB	236, 177, 251
RGB Percent	93%, 69%, 98%
CMY	0.0745, 0.3059, 0.0157
CMYK	0.06, 0.29, 0.00, 0.02
HSL	288°, 90%, 84%
HSV	288°, 29%, 98%
XYZ	67.7268, 56.2422, 98.5530
YIQ	203.0770, 11.4100, 35.5220

Conversions

Conversions Part 2

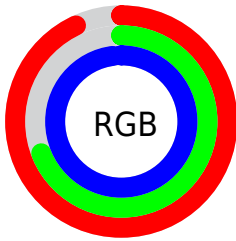
Format	Color
R _Y B	236, 177, 251
Decimal	15512059
CIE Lab	79.75, 33.87, -28.38
CIE LCh	80, 44.185, 320.045
Yxy	56.2422, 0.3044, 0.2527
Android (android.graphics.Color)	4293702139 (0xFFECB1FB)
YUV	203.0770, 23.6260, 28.8735
Hunter-Lab	74.9948, 29.9601, -25.4185

Details

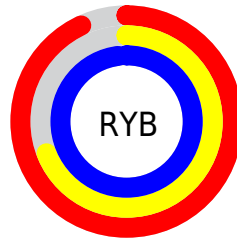
The XYZ color **67.7268, 56.2422, 98.5530** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **64.1731, 83.3765, 54.3087**, and the grayscale version is **56.6660, 59.6170, 64.9229**.

A 20% lighter version of the original color is **88.4289, 86.7578, 106.6930**, and **35.5357, 27.8941, 54.5501** is the 20% darker color. If you saturate the color by 10%, you get **61.5528, 46.3654, 96.9728**, and if you desaturate by 10%, it is **74.8643, 67.9721, 100.4418**.

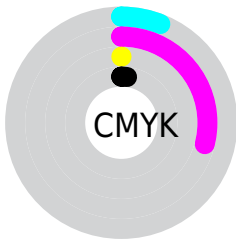
Distribution



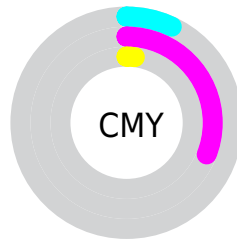
- Red (93%)
- Green (69%)
- Blue (98%)



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



- Cyan (6%)
- Magenta (29%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7268, 56.2422, 98.5530 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 67.7268, 56.2422, 98.5530 by changing the saturation by 10% instead.

67.7268, 56.2422,
98.5530

67.7268, 56.2422,
98.5530

441.9194,
410.6036, 576.7504

49.9484, 40.3971,
74.4825

115.0053, 99.3586,
161.2017

35.5900, 27.8483,
54.6899

145.2360,
127.3988, 200.6171

24.2864, 18.2114,
38.7566

180.3483,
160.2727, 245.9844

15.6721, 11.1018,
26.2640

220.7074,
198.3649, 297.7223

9.3818, 6.1354,
16.7937

266.6787,
242.0597, 356.2493

5.0501, 2.9276,
9.9271

318.6276,

2.3118, 1.0940,

291.7415, 421.9840

5.2457

376.9193,
347.7946, 495.3449

■ 0.8007, 0.0000,
2.3309

■ 0.0000, 0.0000,
0.7484

■ 67.7268, 56.2422,
98.5530

■ 67.7268, 56.2422,
98.5530

■ 61.5528, 46.3654,
96.9728

■ 74.8643, 67.9721,
100.4418

■ 56.2865, 38.2342,
95.6809

■ 83.0064, 81.6406,
102.6509

■ 51.8744, 31.7410,
94.6602

■ 92.1985, 97.3365,
105.1960

■ 48.2548, 26.7635,
93.8902

■ 94.4127, 99.7451,
105.5443

■ 45.3576, 23.1615,
93.3476

■ 43.0992, 20.7687,
93.0048

■ 41.3498, 19.3261,
92.8185

■ 41.2649, 19.2613,
92.8105

Harmonies

Analogous

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



59.5598, 56.2422, 120.0174



67.7268, 56.2422, 98.5530



72.2126, 56.2422, 70.1380

Triad

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



67.7268, 56.2422, 98.5530



56.4799, 56.2422, 24.4533



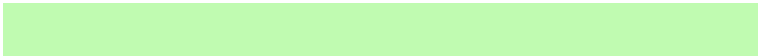
38.8954, 56.2422, 79.6849

Complementary

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



67.7268, 56.2422, 98.5530



64.1731, 83.3765, 54.3087

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.



38.2667, 56.2422, 53.1250



67.7268, 56.2422, 98.5530



47.7851, 56.2422, 25.6872

Square

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



67.7268, 56.2422, 98.5530



65.2575, 56.2422, 30.7509



41.3463, 56.2422, 34.7780



43.1716, 56.2422, 107.1911

Rectangle

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



67.7268, 56.2422, 98.5530



72.2069, 56.2422, 53.0561



41.3463, 56.2422, 34.7780



38.2704, 56.2422, 70.2210

Sweetspot

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



67.7286, 56.2446, 98.5542



86.4699, 85.3497, 106.5244



54.6237, 54.4694, 98.9023



18.2292, 17.7961, 22.7242



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.



67.7286, 56.2446, 98.5542



66.5354, 52.3905, 101.2133



69.7951, 57.6709, 82.3421



17.6282, 17.3365, 21.8025



21.8134, 10.1879, 48.7903



2.1044, 0.9870, 4.5228

Inverse Universe

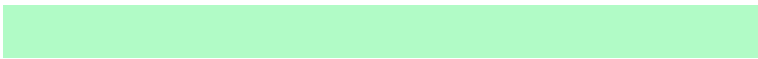
The Inverse Universe completely reimagines the original color for something new.



65.0221, 55.7617, 57.2077



63.4659, 51.8957, 51.9320



62.8198, 82.4186, 66.0058



17.3885, 17.2827, 18.6354



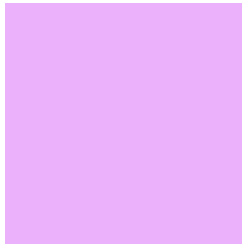
21.2658, 10.9220, 2.8423



2.0057, 1.0260, 0.4533

Previews

White Background



This preview shows how the XYZ color 67.7268, 56.2422, 98.5530 looks on a white background.

Color Contrast Check

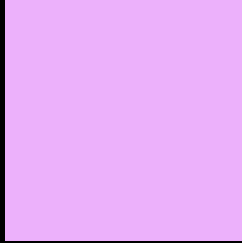
Large Text (above 18pt) WCAG AA × Fail

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 67.7268, 56.2422, 98.5530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

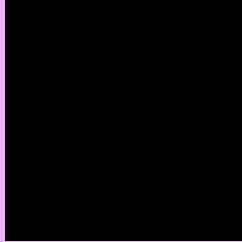
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7268, 56.2422, 98.5530

Background



This preview shows how black text looks on a background with the XYZ color 67.7268, 56.2422, 98.5530.



This preview shows how white text looks on a background with the XYZ color 67.7268, 56.2422,

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

67.7268, 56.2422, 98.5530

Protanopia

57.0813, 56.6449, 102.5328

Deuteranopia

57.9733, 56.5674, 96.6700



Tritanopia

60.6260, 56.4157, 62.9523

Trichromacy



Original Color

67.7268, 56.2422, 98.5530



Protanomaly

60.4441, 56.1075, 101.4100



Deuteranomaly

61.0945, 56.2159, 97.2533



Tritanomaly

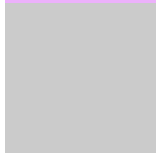
62.9984, 56.1373, 74.5330

Monochromacy



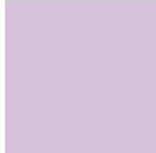
Original Color

67.7268, 56.2422, 98.5530



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

60.2344, 58.1980, 75.7688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7268, 56.2422, 98.5530 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, 177, 251)` looks like.

```
.text, #text, p{  
    color:rgb(236, 177, 251)  
}
```

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, 177, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 177, 251) }
```

Border

The CSS property to change the border of an element to XYZ 67.7268, 56.2422, 98.5530 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, 177, 251) }
```


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

```
.border{ border-color:rgb(236, 177, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 177, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 177, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 177, 251);  
box-shadow:4px 4px 4px 4px rgb(236, 177,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7268, 56.2422, 98.5530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 177, 251) }
```

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

```
.background{ background-color: rgb(236,  
177, 251) }
```

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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