

Converting Colors

XYZ(86.2456, 67.2893,
190.6620)

Have a look what the booklet for
XYZ(86.2456, 67.2893, 190.6620)
contains.

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Color

**XYZ(69.3119, 60.3422,
102.6018)**

Conversions

Conversions Part 1

Format	Color
Hex	E8BCFF
RGB	232, 188, 255
RGB Percent	91%, 74%, 100%
CMY	0.0902, 0.2627, 0.0000
CMYK	0.09, 0.26, 0.00, 0.00
HSL	279°, 100%, 87%
HSV	279°, 26%, 100%
XYZ	69.3119, 60.3422, 102.6018
YIQ	208.7940, 4.7170, 30.1650

Conversions

Conversions Part 2

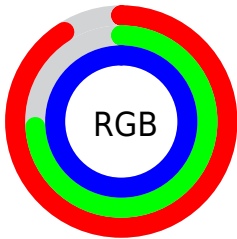
Format	Color
R _Y B	232, 188, 255
Decimal	15252735
CIE Lab	82.02, 27.53, -27.07
CIE LCh	82, 38.612, 315.484
Yxy	60.3422, 0.2984, 0.2598
Android (android.graphics.Color)	4293442815 (0xFFE8BCFF)
YUV	208.7940, 22.7796, 20.3517
Hunter-Lab	77.6802, 23.3301, -23.9354

Details

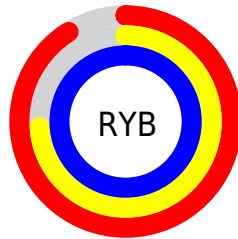
The XYZ color **69.3119, 60.3422, 102.6018** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.7024, 89.0004, 60.9794**, and the grayscale version is **60.3258, 63.4675, 69.1161**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **36.6226, 30.3575, 57.3554** is the 20% darker color. If you saturate the color by 10%, you get **61.5675, 48.9664, 100.8142**, and if you desaturate by 10%, it is **78.1637, 73.7207, 104.7176**.

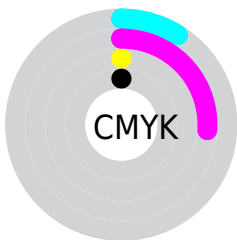
Distribution



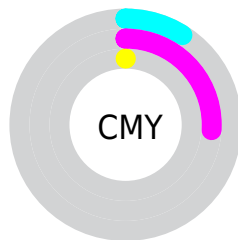
- Red (91%)
- Green (74%)
- Blue (100%)



- Red (91%)
- Yellow (74%)
- Blue (100%)



- Cyan (9%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3119, 60.3422, 102.6018 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 69.3119, 60.3422, 102.6018 by changing the saturation by 10% instead.

69.3119, 60.3422,
102.6018

69.3119, 60.3422,
102.6018

447.4344,
425.8580, 589.8202

51.2433, 43.6945,
77.8462

117.2586,
105.3259, 166.8110

36.6241, 30.4304,
57.4320

147.8674,
134.4307, 207.1018

25.0889, 20.1655,
40.9405

183.3870,
168.4567, 253.4080

16.2724, 12.5154,
27.9532

224.1828,
207.7883, 306.1483

9.8092, 7.0957,
18.0517

270.6201,
252.8098, 365.7411

5.3339, 3.5220,
10.8173

323.0642,

2.4812, 1.4100,

303.9056, 432.6050

5.8315

381.8805,
361.4602, 507.1585

■ 0.8858, 0.2241,
2.6757

■ 0.0000, 0.0000,
0.9312

■ 69.3119, 60.3422,
102.6018

■ 69.3119, 60.3422,
102.6018

■ 61.5675, 48.9664,
100.8142

■ 78.1637, 73.7207,
104.7176

■ 54.8726, 39.4834,
99.3367

■ 88.1666, 89.1893,
107.1761

■ 49.1715, 31.7842,
98.1511

95.0500, 100.0000,
108.9000

■ 44.4009, 25.7450,
97.2368

■ 40.4892, 21.2260,
96.5708

■ 37.3529, 18.0634,
96.1256

■ 34.8883, 16.0536,
95.8676

■ 34.0846, 15.4861,
95.8004

Harmonies

Analogous

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



61.6545, 60.3422, 119.3560



69.3119, 60.3422, 102.6018



73.9617, 60.3422, 77.6483

Triad

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



69.3119, 60.3422, 102.6018



61.3856, 60.3422, 31.0390



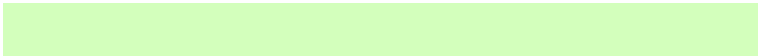
43.4957, 60.3422, 78.4728

Complementary

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



69.3119, 60.3422, 102.6018



71.7024, 89.0004, 60.9794

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.



43.4385, 60.3422, 55.0492



69.3119, 60.3422, 102.6018



53.2572, 60.3422, 31.1586

Square

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



69.3119, 60.3422, 102.6018



69.0990, 60.3422, 38.5391



46.8562, 60.3422, 38.9173



47.0206, 60.3422, 103.3277

Rectangle

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



69.3119, 60.3422, 102.6018



74.4723, 60.3422, 61.4920



46.8562, 60.3422, 38.9173



43.0822, 60.3422, 70.1007

Sweetspot

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



69.3137, 60.3447, 102.6022



86.3543, 86.3638, 106.7263



62.1973, 64.7260, 103.8230



18.1517, 17.9699, 22.7618



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.



69.3137, 60.3447, 102.6022



64.7453, 53.5898, 101.5392



75.6982, 63.8181, 94.6752



18.1517, 17.9699, 22.7618



17.9766, 8.1777, 50.0656



1.8677, 0.8567, 4.8802

Inverse Universe

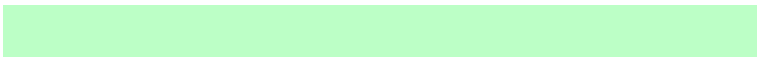
The Inverse Universe completely reimagines the original color for something new.



70.9825, 61.9318, 69.8427



66.8515, 55.5372, 62.7088



66.6995, 86.2917, 66.5994



18.2667, 18.0900, 20.0217



22.5219, 11.4981, 6.1329



2.2418, 1.1391, 0.8549

Previews

White Background



This preview shows how the XYZ color 69.3119, 60.3422, 102.6018 looks on a white background.

Color Contrast Check

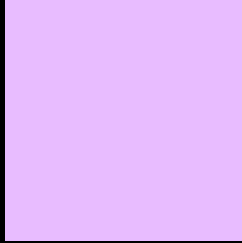
Large Text (above 18pt) WCAG AA × Fail

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 69.3119, 60.3422, 102.6018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

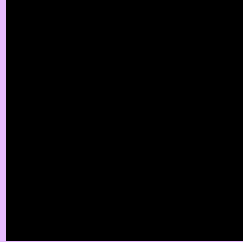
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.3119, 60.3422, 102.6018

Background



This preview shows how black text looks on a background with the XYZ color 69.3119, 60.3422, 102.6018.

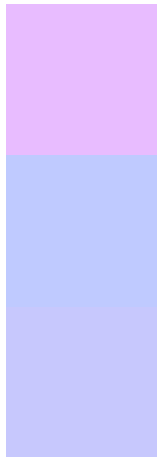


This preview shows how white text looks on a background with the XYZ color 69.3119, 60.3422,

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

69.3119, 60.3422, 102.6018

Protanopia

60.6564, 60.5374, 103.0957

Deuteranopia

61.9371, 60.5425, 101.3499



Tritanopia

62.5491, 60.1906, 69.9493

Trichromacy



Original Color

69.3119, 60.3422, 102.6018

Protanomaly

63.4699, 60.2743, 102.8966

Deuteranomaly

64.4933, 60.4845, 102.0414

Tritanomaly

64.9300, 60.1800, 80.8668

Monochromacy



Original Color

69.3119, 60.3422, 102.6018

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

63.2294, 62.0160, 80.5892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3119, 60.3422, 102.6018 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(232, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 188, 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(232, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.3119, 60.3422, 102.6018 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(232, 188, 255) }
```


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

```
.border{ border-color:rgb(232, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3119, 60.3422, 102.6018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 188, 255) }
```

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

```
.background{ background-color: rgb(232,  
188, 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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