

Converting Colors

XYZ(97.9722, 71.6880,
255.1137)

Have a look what the booklet for
XYZ(97.9722, 71.6880, 255.1137)
contains.

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Color

**XYZ(68.9882, 60.1754,
102.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	E7BCFF
RGB	231, 188, 255
RGB Percent	91%, 74%, 100%
CMY	0.0941, 0.2627, 0.0000
CMYK	0.09, 0.26, 0.00, 0.00
HSL	279°, 100%, 87%
HSV	279°, 26%, 100%
XYZ	68.9882, 60.1754, 102.5867
YIQ	208.4950, 4.1210, 29.9530

Conversions

Conversions Part 2

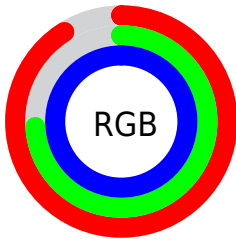
Format	Color
R_{YB}	231, 188, 255
Decimal	15187199
CIE _{Lab}	81.93, 27.22, -27.22
CIE _{LCh}	82, 38.493, 315.003
Yxy	60.1754, 0.2977, 0.2597
Android (android.graphics.Color)	4293377279 (0xFFE7BCFF)
YUV	208.4950, 22.9270, 19.7369
Hunter-Lab	77.5728, 22.9939, -24.1075

Details

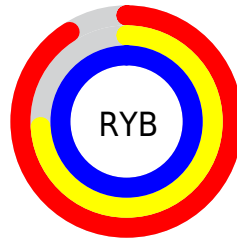
The XYZ color **68.9882, 60.1754, 102.5867** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.9899, 89.1486, 60.9930**, and the grayscale version is **60.1309, 63.2624, 68.8928**.

A 20% lighter version of the original color is **91.6407, 93.1814, 107.7636**, and **36.3973, 30.2414, 57.3449** is the 20% darker color. If you saturate the color by 10%, you get **61.1432, 48.7477, 100.7944**, and if you desaturate by 10%, it is **77.9530, 73.6121, 104.7077**.

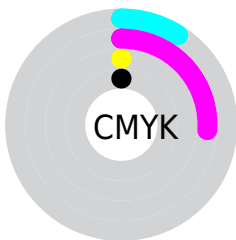
Distribution



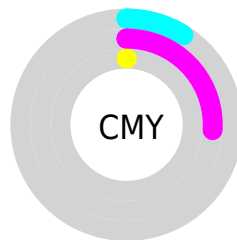
- Red (91%)
- Green (74%)
- Blue (100%)



- 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 68.9882, 60.1754, 102.5867 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 68.9882, 60.1754, 102.5867 by changing the saturation by 10% instead.

68.9882, 60.1754,
102.5867

68.9882, 60.1754,
102.5867

446.3114,
425.2440, 589.7718

50.9787, 43.5600,
77.8337

116.7989,
105.0841, 166.7902

36.4126, 30.3248,
57.4217

147.3308,
134.1461, 207.0777

24.9246, 20.0852,
40.9323

182.7675,
168.1259, 253.3804

16.1493, 12.4570,
27.9469

223.4745,
207.4078, 306.1170

9.7214, 7.0557,
18.0469

269.8170,
252.3761, 365.7058

5.2755, 3.4970,
10.8139

322.1604,

2.4462, 1.3964,

303.4153, 432.5656

5.8292

380.8701,
360.9098, 507.1147

■ 0.8682, 0.2140,
2.6744

■ 0.0000, 0.0000,
0.9305

■ 68.9882, 60.1754,
102.5867

■ 68.9882, 60.1754,
102.5867

■ 61.1432, 48.7477,
100.7944

■ 77.9530, 73.6121,
104.7077

■ 54.3597, 39.2191,
99.3127

■ 88.0814, 89.1455,
107.1722

■ 48.5818, 31.4802,
98.1235

95.0500, 100.0000,
108.9000

■ 43.7458, 25.4073,
97.2062

■ 39.7799, 20.8603,
96.5376

■ 36.6001, 17.6754,
96.0904

■ 34.1026, 15.6486,
95.8308

■ 33.2892, 15.0761,
95.7632

Harmonies

Analogous

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



61.3418, 60.1754, 119.0347



68.9882, 60.1754, 102.5867



73.6790, 60.1754, 77.8137

Triad

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



68.9882, 60.1754, 102.5867



61.3400, 60.1754, 31.0682



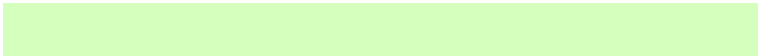
43.3737, 60.1754, 77.8192

Complementary

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



68.9882, 60.1754, 102.5867



71.9899, 89.1486, 60.9930

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.



43.3734, 60.1754, 54.5959



68.9882, 60.1754, 102.5867



53.2393, 60.1754, 31.0690

Square

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



68.9882, 60.1754, 102.5867



68.9868, 60.1754, 38.6669



46.8286, 60.1754, 38.6694



46.8297, 60.1754, 102.5915

Rectangle

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



68.9882, 60.1754, 102.5867



74.2408, 60.1754, 61.6899



46.8286, 60.1754, 38.6694



42.9810, 60.1754, 69.5070

Sweetspot

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



68.9899, 60.1779, 102.5871



86.2464, 86.3082, 106.7212



62.4765, 65.2844, 103.9160



18.1245, 17.9559, 22.7605



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.



68.9899, 60.1779, 102.5871



64.3624, 53.3924, 101.5212



75.8692, 63.8866, 95.5756



18.1245, 17.9559, 22.7605



17.5632, 7.9646, 50.0462



1.8294, 0.8370, 4.8784

Inverse Universe

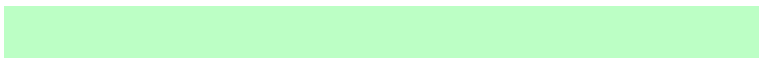
The Inverse Universe completely reimagines the original color for something new.



71.1084, 61.9822, 70.5054



66.9958, 55.5949, 63.4687



66.5712, 86.2404, 65.9233



18.2782, 18.0946, 20.0820



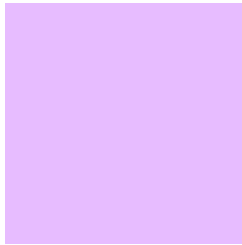
22.6077, 11.5324, 6.5847



2.2511, 1.1428, 0.9039

Previews

White Background



This preview shows how the XYZ color 68.9882, 60.1754, 102.5867 looks on a white background.

Color Contrast Check

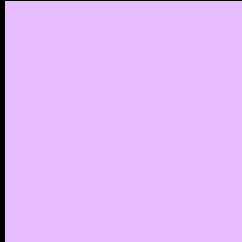
Large Text (above 18pt) WCAG AA × Fail

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 68.9882, 60.1754, 102.5867 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 68.9882, 60.1754, 102.5867

Background



This preview shows how black text looks on a background with the XYZ color 68.9882, 60.1754, 102.5867.

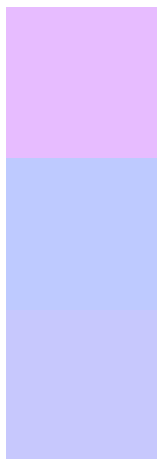


This preview shows how white text looks on a background with the XYZ color 68.9882, 60.1754,

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

68.9882, 60.1754, 102.5867

Protanopia

60.4057, 60.4082, 103.0840

Deuteranopia

61.9371, 60.5425, 101.3499



Tritanopia

62.2383, 60.0303, 69.9347

Trichromacy



Original Color

68.9882, 60.1754, 102.5867

Protanomaly

63.1931, 60.1316, 102.8837

Deuteranomaly

64.4933, 60.4845, 102.0414

Tritanomaly

64.6136, 60.0169, 80.8520

Monochromacy



Original Color

68.9882, 60.1754, 102.5867

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

62.7962, 61.8085, 79.8547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9882, 60.1754, 102.5867 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(231, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.9882, 60.1754, 102.5867 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(231, 188, 255) }
```


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

```
.border{ border-color:rgb(231, 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(231, 188, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9882, 60.1754, 102.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 188, 255) }
```

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

```
.background{ background-color: rgb(231,  
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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