

Converting Colors

XYZ(92.7025, 69.0242,
223.4774)

Have a look what the booklet for
XYZ(92.7025, 69.0242, 223.4774)
contains.

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Color

**XYZ(69.8699, 60.0000,
102.5064)**

Conversions

Conversions Part 1

Format	Color
Hex	EBBAFF
RGB	235, 186, 255
RGB Percent	92%, 73%, 100%
CMY	0.0784, 0.2706, 0.0000
CMYK	0.08, 0.27, 0.00, 0.00
HSL	283°, 100%, 86%
HSV	283°, 27%, 100%
XYZ	69.8699, 60.0000, 102.5064
YIQ	208.5170, 7.0550, 31.8470

Conversions

Conversions Part 2

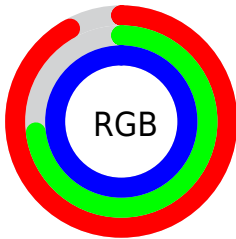
Format	Color
R _Y B	235, 186, 255
Decimal	15448831
CIE Lab	81.84, 29.54, -27.33
CIE LCh	82, 40.242, 317.222
Yxy	60.0000, 0.3007, 0.2582
Android (android.graphics.Color)	4293638911 (0xFFEBBAFF)
YUV	208.5170, 22.9161, 23.2256
Hunter-Lab	77.4597, 25.4555, -24.2398

Details

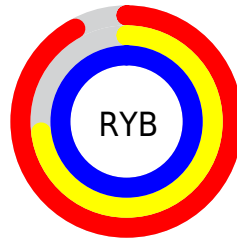
The XYZ color **69.8699, 60.0000, 102.5064** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.0779, 88.1876, 59.7856**, and the grayscale version is **60.1439, 63.2761, 68.9077**.

A 20% lighter version of the original color is **91.0421, 91.9843, 107.5640**, and **37.0347, 30.1635, 57.2963** is the 20% darker color. If you saturate the color by 10%, you get **62.5802, 48.9675, 100.7611**, and if you desaturate by 10%, it is **78.2230, 73.0068, 104.5767**.

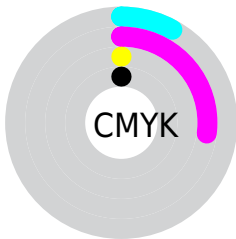
Distribution



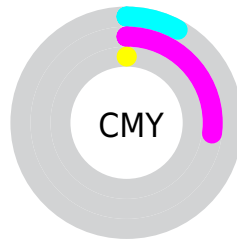
- Red (92%)
- Green (73%)
- Blue (100%)



- Red (92%)
- Yellow (73%)
- Blue (100%)



- Cyan (8%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)





- Cyan (8%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8699, 60.0000, 102.5064 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 69.8699, 60.0000, 102.5064 by changing the saturation by 10% instead.


 69.8699, 60.0000,
102.5064

 69.8699, 60.0000,
102.5064

449.3666,
424.5978, 589.5140

 51.6997, 43.4186,
77.7669


 118.0505,
104.8297, 166.6791

 36.9891, 30.2137,
57.3672


148.7916,
133.8468, 206.9494

 25.3727, 20.0009,
40.8888


184.4537,
167.7779, 253.2337

 16.4851, 12.3957,
27.9131

225.4021,
207.0074, 305.9505

 9.9611, 7.0137,
18.0217

272.0023,
251.9198, 365.5184

 5.4352, 3.4707,
10.7960

324.6195,

 2.5422, 1.3821,

302.8994, 432.3560

5.8174

383.6192,
360.3306, 506.8817

■ 0.9166, 0.2035,
2.6674

■ 0.0000, 0.0000,
0.9269

■ 69.8699, 60.0000,
102.5064

■ 69.8699, 60.0000,
102.5064

■ 62.5802, 48.9675,
100.7611

■ 78.2230, 73.0068,
104.5767

■ 56.2965, 39.7994,
99.3226

■ 87.6827, 88.0755,
106.9866

■ 50.9637, 32.3859,
98.1728

95.0500, 100.0000,
108.9000

■ 46.5185, 26.6029,
97.2908

■ 42.8897, 22.3094,
96.6534

■ 39.9934, 19.3398,
96.2328

■ 37.7229, 17.4827,
95.9940

■ 37.1270, 17.0546,
95.9428

Harmonies

Analogous

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



61.9997, 60.0000, 120.9375



69.8699, 60.0000, 102.5064



74.4770, 60.0000, 76.2258

Triad

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



69.8699, 60.0000, 102.5064



60.7157, 60.0000, 29.5182



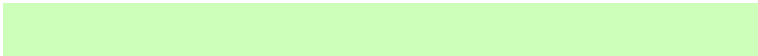
42.8128, 60.0000, 80.1738

Complementary

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



69.8699, 60.0000, 102.5064



70.0779, 88.1876, 59.7856

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.



42.5427, 60.0000, 55.5250



69.8699, 60.0000, 102.5064



52.3298, 60.0000, 30.0742

Square

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



69.8699, 60.0000, 102.5064



68.8499, 60.0000, 36.6703



45.8651, 60.0000, 38.4427



46.6437, 60.0000, 106.0075

Rectangle

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



69.8699, 60.0000, 102.5064



74.8058, 60.0000, 59.6264



45.8651, 60.0000, 38.4427



42.3170, 60.0000, 71.3858

Sweetspot

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



69.8716, 60.0025, 102.5067



86.7419, 86.5636, 106.7444



60.5420, 62.1419, 103.4114



18.2497, 18.0204, 22.7664



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.



69.8716, 60.0025, 102.5067



66.1380, 54.3078, 101.6043



74.7072, 62.7428, 91.5497



18.2497, 18.0204, 22.7664



19.5552, 8.9915, 50.1395



2.0125, 0.9314, 4.8870

Inverse Universe

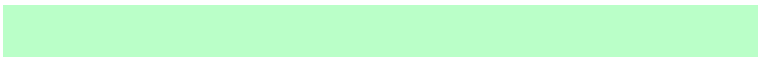
The Inverse Universe completely reimagines the original color for something new.



69.9409, 60.8363, 66.4507



66.3443, 55.3344, 60.0381



66.4134, 86.1207, 67.6462



18.2259, 18.0737, 19.8066



22.2488, 11.3888, 4.6947



2.2113, 1.1269, 0.6939

Previews

White Background



This preview shows how the XYZ color 69.8699, 60.0000, 102.5064 looks on a white background.

Color Contrast Check

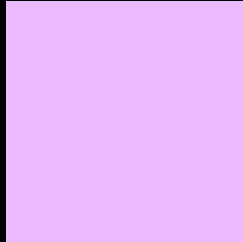
Large Text (above 18pt) WCAG AA × Fail

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 69.8699, 60.0000, 102.5064 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 69.8699, 60.0000, 102.5064

Background



This preview shows how black text looks on a background with the XYZ color 69.8699, 60.0000, 102.5064.

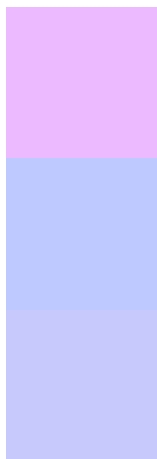


This preview shows how white text looks on a background with the XYZ color 69.8699, 60.0000,

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

69.8699, 60.0000, 102.5064

Protanopia

60.4057, 60.4082, 103.0840

Deuteranopia

61.7782, 60.4789, 100.5130



Tritanopia

63.1429, 60.1773, 69.2602

Trichromacy



Original Color

69.8699, 60.0000, 102.5064



Protanomaly

63.2435, 59.8217, 102.8212



Deuteranomaly

64.3961, 60.1191, 101.1386



Tritanomaly

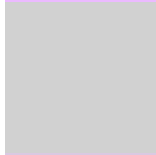
65.5321, 60.1792, 80.1133

Monochromacy



Original Color

69.8699, 60.0000, 102.5064



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

63.5276, 62.1697, 80.6032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8699, 60.0000, 102.5064 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(235, 186, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 186, 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(235, 186, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 186, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.8699, 60.0000, 102.5064 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(235, 186, 255) }
```


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

```
.border{ border-color:rgb(235, 186, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 186, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 186, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 186, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 186,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8699, 60.0000, 102.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 186, 255) }
```

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

```
.background{ background-color: rgb(235,  
186, 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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