

Converting Colors

XYZ(69.6888, 63.2616,
103.1455)

Have a look what the booklet for
XYZ(69.6888, 63.2616, 103.1455)
contains.

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Color

**XYZ(69.4685, 63.0307,
103.1125)**

Conversions

Conversions Part 1

Format	Color
Hex	E3C4FF
RGB	227, 196, 255
RGB Percent	89%, 77%, 100%
CMY	0.1098, 0.2314, 0.0000
CMYK	0.11, 0.23, 0.00, 0.00
HSL	272°, 100%, 88%
HSV	272°, 23%, 100%
XYZ	69.4685, 63.0307, 103.1125
YIQ	211.9950, -0.4630, 24.9210

Conversions

Conversions Part 2

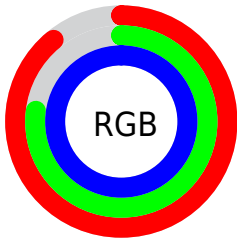
Format	Color
R _Y B	227, 196, 255
Decimal	14927103
CIE _{Lab}	83.46, 21.69, -24.92
CIE _{LCh}	83, 33.037, 311.029
Y _{xy}	63.0307, 0.2948, 0.2675
Android (android.graphics.Color)	4293117183 (0xFFE3C4FF)
Y _{UV}	211.9950, 21.2015, 13.1594
Hunter-Lab	79.3919, 17.2531, -21.4303

Details

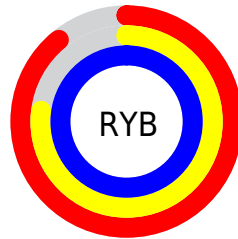
The XYZ color **69.4685, 63.0307, 103.1125** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.4655, 91.3534, 65.8302**, and the grayscale version is **62.4414, 65.6932, 71.5399**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **36.6606, 32.0811, 57.6861** is the 20% darker color. If you saturate the color by 10%, you get **60.5147, 50.5911, 101.1833**, and if you desaturate by 10%, it is **79.6717, 77.5687, 105.3808**.

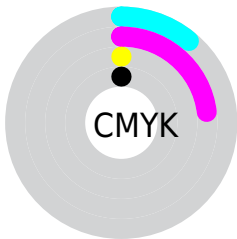
Distribution



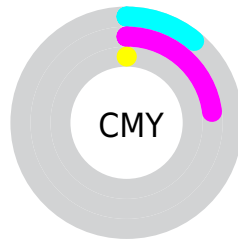
- Red (89%)
- Green (77%)
- Blue (100%)



- Red (89%)
- Yellow (77%)
- Blue (100%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4685, 63.0307, 103.1125 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 69.4685, 63.0307, 103.1125 by changing the saturation by 10% instead.

69.4685, 63.0307,
103.1125

69.4685, 63.0307,
103.1125

447.9772,
435.6809, 591.4579

51.3714, 45.8660,
78.2711

117.4809,
109.2138, 167.5170

36.7265, 32.1401,
57.7790

148.1269,
139.0010, 207.9172

25.1685, 21.4686,
41.2174

183.6865,
173.7646, 254.3408

16.3320, 13.4669,
28.1681

224.5252,
213.8888, 307.2062

9.8518, 7.7509,
18.2122

271.0082,
259.7582, 366.9321

5.3623, 3.9359,
10.9315

323.5010,

2.4983, 1.6378,

311.7571, 433.9370

5.9072

382.3689,
370.2698, 508.6394

■ 0.8944, 0.3829,
2.7208

■ 0.0000, 0.0000,
0.9539

■ 69.4685, 63.0307,
103.1125

■ 69.4685, 63.0307,
103.1125

■ 60.5147, 50.5911,
101.1833

■ 79.6717, 77.5687,
105.3808

■ 52.7500, 40.1406,
99.5754

■ 91.1700, 94.2919,
108.0027

■ 46.1169, 31.5713,
98.2710

95.0500, 100.0000,
108.9000

■ 40.5502, 24.7619,
97.2500

■ 35.9775, 19.5761,
96.4901

■ 32.3153, 15.8567,
95.9652

■ 29.4637, 13.4133,
95.6439

■ 27.8789, 12.2870,
95.5100

Harmonies

Analogous

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



62.5978, 63.0307, 115.3898



69.4685, 63.0307, 103.1125



73.9846, 63.0307, 82.3490

Triad

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



69.4685, 63.0307, 103.1125



64.5250, 63.0307, 37.5372



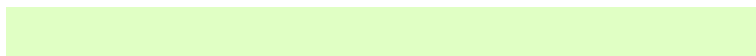
47.3166, 63.0307, 76.5016

Complementary

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



69.4685, 63.0307, 103.1125



76.4655, 91.3534, 65.8302

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.



47.7421, 63.0307, 56.5256



69.4685, 63.0307, 103.1125



57.2979, 63.0307, 36.5944

Square

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



69.4685, 63.0307, 103.1125



70.9763, 63.0307, 45.7452



51.2690, 63.0307, 42.8448



50.0561, 63.0307, 98.1005

Rectangle

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



69.4685, 63.0307, 103.1125



74.8513, 63.0307, 67.9195



51.2690, 63.0307, 42.8448



47.1003, 63.0307, 69.3448

Sweetspot

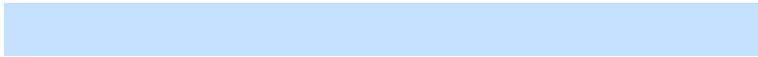
The Sweet Spot groups the original color and five complimentary colors.



69.4703, 63.0333, 103.1129



86.5695, 87.5639, 106.9466



67.6116, 72.5472, 105.0472



18.3795, 18.5239, 22.8567



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.



69.4703, 63.0333, 103.1129



64.9615, 56.7253, 102.1330



78.8731, 67.8988, 102.7287



17.9140, 17.8474, 22.7507



14.7412, 6.5098, 49.9142



1.5615, 0.6989, 4.8659

Inverse Universe

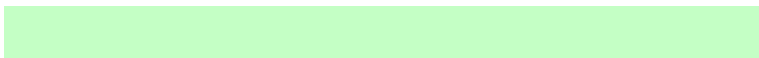
The Inverse Universe completely reimagines the original color for something new.



74.4359, 66.1239, 79.3627



70.8850, 60.4100, 73.9008



68.6028, 87.2871, 66.0484



18.3683, 18.1306, 20.5566



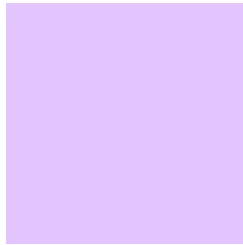
23.4269, 11.8600, 10.8983



2.3357, 1.1767, 1.3494

Previews

White Background



This preview shows how the XYZ color 69.4685, 63.0307, 103.1125 looks on a white background.

Color Contrast Check

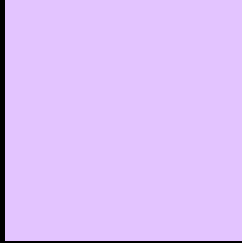
Large Text (above 18pt) WCAG AA × Fail

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 69.4685, 63.0307, 103.1125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

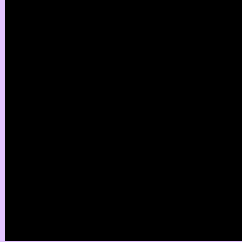
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.4685, 63.0307, 103.1125

Background



This preview shows how black text looks on a background with the XYZ color 69.4685, 63.0307, 103.1125.

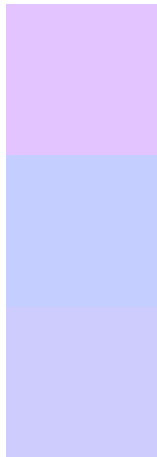


This preview shows how white text looks on a background with the XYZ color 69.4685, 63.0307,

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

69.4685, 63.0307, 103.1125

Protanopia

62.8863, 63.0984, 103.4725

Deuteranopia

64.7761, 63.3994, 101.7517



Tritanopia

63.9609, 63.1985, 75.8453

Trichromacy



Original Color

69.4685, 63.0307, 103.1125

Protanomaly

64.9027, 62.7265, 103.2944

Deuteranomaly

66.5076, 63.2252, 102.4643

Tritanomaly

65.6512, 62.8227, 85.0097

Monochromacy



Original Color

69.4685, 63.0307, 103.1125

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.6902, 64.4958, 82.4382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4685, 63.0307, 103.1125 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(227, 196, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 196, 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(227, 196, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 196, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.4685, 63.0307, 103.1125 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(227, 196, 255) }
```


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

```
.border{ border-color:rgb(227, 196, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 196, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 196, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 196, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 196,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4685, 63.0307, 103.1125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 196, 255) }
```

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

```
.background{ background-color: rgb(227,  
196, 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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