

Converting Colors

XYZ(70.5304, 66.0070,
101.9082)

Have a look what the booklet for
XYZ(70.5304, 66.0070, 101.9082)
contains.

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Color

**XYZ(70.4496, 65.9725,
101.9494)**

Conversions

Conversions Part 1

Format	Color
Hex	E2CBFD
RGB	226, 203, 253
RGB Percent	89%, 80%, 99%
CMY	0.1137, 0.2039, 0.0078
CMYK	0.11, 0.20, 0.00, 0.01
HSL	268°, 93%, 89%
HSV	268°, 20%, 99%
XYZ	70.4496, 65.9725, 101.9494
YIQ	215.5770, -2.3420, 20.4260

Conversions

Conversions Part 2

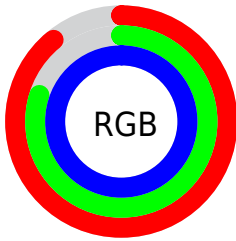
Format	Color
R _Y B	226, 203, 253
Decimal	14863357
CIE Lab	84.98, 17.23, -21.55
CIE LCh	85, 27.594, 308.637
Yxy	65.9725, 0.2955, 0.2768
Android (android.graphics.Color)	4293053437 (0xFFE2CBFD)
YUV	215.5770, 18.4495, 9.1410
Hunter-Lab	81.2235, 12.6819, -17.5627

Details

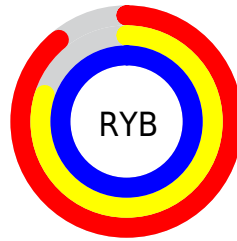
The XYZ color **70.4496, 65.9725, 101.9494** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **78.5402, 91.3871, 70.0030**, and the grayscale version is **64.8641, 68.2421, 74.3157**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2888, 34.0265, 56.8270** is the 20% darker color. If you saturate the color by 10%, you get **60.8409, 52.8630, 99.9265**, and if you desaturate by 10%, it is **81.3787, 81.2134, 104.3162**.

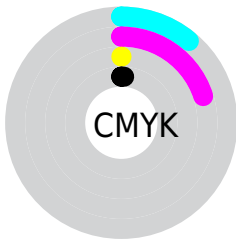
Distribution



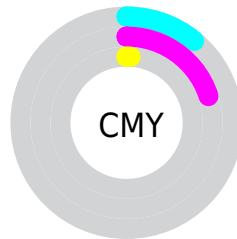
- Red (89%)
- Green (80%)
- Blue (99%)



- Red (89%)
- Yellow (80%)
- Blue (99%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (20%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4496, 65.9725, 101.9494 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 70.4496, 65.9725, 101.9494 by changing the saturation by 10% instead.

70.4496, 65.9725,
101.9494

70.4496, 65.9725,
101.9494

451.3689,
446.2785, 587.7247

52.1741, 48.2501,
77.3036

118.8725,
113.4469, 165.9087

37.3687, 34.0250,
56.9891

149.7505,
143.9676, 206.0593

25.6681, 22.9128,
40.5872

185.5601,
179.5232, 252.2153

16.7068, 14.5291,
27.6794

226.6666,
220.4981, 304.7952

10.1197, 8.4896,
17.8472

273.4354,
267.2767, 364.2176

5.5413, 4.4098,
10.6720

326.2318,

2.6062, 1.9053,

320.2434, 430.9009

5.7354

385.4212,
379.7825, 505.2638

■ 0.9491, 0.5516,
2.6187

■ 0.0000, 0.0000,
0.9021

■ 70.4496, 65.9725,
101.9494

■ 70.4496, 65.9725,
101.9494

■ 60.8409, 52.8630,
99.9265

■ 81.3787, 81.2134,
104.3162

■ 52.4914, 41.7780,
98.2269

■ 93.6738, 98.6694,
107.0375

■ 45.3437, 32.6138,
96.8348

■ 94.7298, 99.8719,
107.2140

■ 39.3333, 25.2537,
95.7309

■ 34.3886, 19.5682,
94.8941

■ 30.4288, 15.4091,
94.3000

■ 27.3589, 12.6011,
93.9198

■ 25.0324, 10.8663,
93.7076

■ 24.9822, 10.8307,
93.7034

Harmonies

Analogous

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



64.5129, 65.9725, 111.1660



70.4496, 65.9725, 101.9494



74.4795, 65.9725, 85.0059

Triad

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



70.4496, 65.9725, 101.9494



67.1500, 65.9725, 44.4896



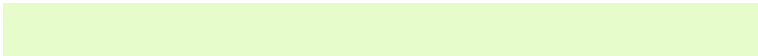
51.6382, 65.9725, 77.0851

Complementary

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



70.4496, 65.9725, 101.9494



78.5402, 91.3871, 70.0030

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.



52.2416, 65.9725, 60.0962



70.4496, 65.9725, 101.9494



60.9309, 65.9725, 43.0812

Square

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



70.4496, 65.9725, 101.9494



72.4888, 65.9725, 52.5484



55.5496, 65.9725, 48.3214



53.8434, 65.9725, 95.3378

Rectangle

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



70.4496, 65.9725, 101.9494



75.3984, 65.9725, 72.6481



55.5496, 65.9725, 48.3214



51.5225, 65.9725, 71.0237

Sweetspot

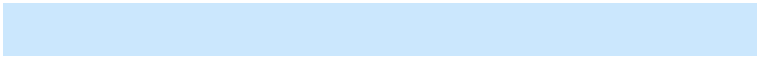
The Sweet Spot groups the original color and five complimentary colors.



70.4516, 65.9753, 101.9509



87.3872, 89.0902, 107.1981



70.7968, 76.6631, 103.9956



18.5325, 18.8255, 22.9069



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.



70.4516, 65.9753, 101.9509



67.4064, 61.2364, 102.8748



78.6912, 70.2229, 102.3365



17.7970, 17.7871, 22.7452



13.4532, 5.8459, 49.8539



1.4342, 0.6333, 4.8599

Inverse Universe

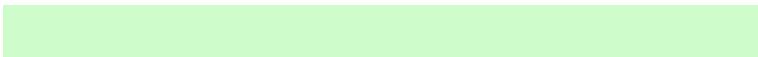
The Inverse Universe completely reimagines the original color for something new.



76.1491, 69.3105, 84.2307



74.3316, 65.2923, 81.2491



71.2221, 87.6144, 69.6605



18.4196, 18.1512, 20.8268



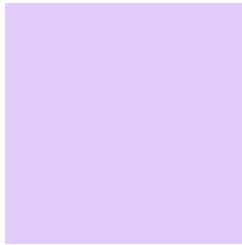
24.0110, 12.0937, 13.9744



2.3931, 1.1996, 1.6512

Previews

White Background



This preview shows how the XYZ color 70.4496, 65.9725, 101.9494 looks on a white background.

Color Contrast Check

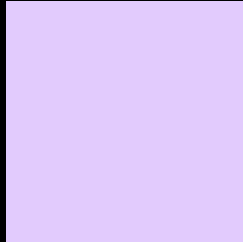
Large Text (above 18pt) WCAG AA × Fail

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 70.4496, 65.9725, 101.9494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

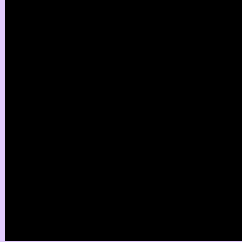
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.4496, 65.9725, 101.9494

Background



This preview shows how black text looks on a background with the XYZ color 70.4496, 65.9725, 101.9494.

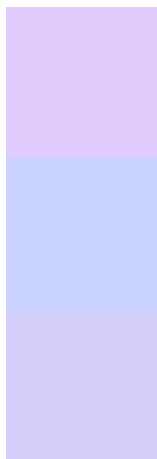


This preview shows how white text looks on a background with the XYZ color 70.4496, 65.9725,

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

70.4496, 65.9725, 101.9494

Protanopia

65.4537, 65.8697, 103.8721

Deuteranopia

67.3241, 65.8001, 101.2478



Tritanopia

65.8292, 65.8657, 79.7648

Trichromacy



Original Color

70.4496, 65.9725, 101.9494

Protanomaly

67.0662, 65.6303, 102.8991

Deuteranomaly

68.5554, 66.0763, 101.2362

Tritanomaly

67.4981, 65.8287, 87.7459

Monochromacy



Original Color

70.4496, 65.9725, 101.9494

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

66.9523, 67.4613, 83.6213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4496, 65.9725, 101.9494 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(226, 203, 253)` looks like.

```
.text, #text, p{  
    color:rgb(226, 203, 253)  
}
```

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(226, 203, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 203, 253) }
```

Border

The CSS property to change the border of an element to XYZ 70.4496, 65.9725, 101.9494 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(226, 203, 253) }
```


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

```
.border{ border-color:rgb(226, 203, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 203, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 203, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 203, 253);  
box-shadow:4px 4px 4px 4px rgb(226, 203,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4496, 65.9725, 101.9494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 203, 253) }
```

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

```
.background{ background-color: rgb(226,  
203, 253) }
```

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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