

Converting Colors

XYZ(71.5788, 67.7106,
102.0167)

Have a look what the booklet for
XYZ(71.5788, 67.7106, 102.0167)
contains.

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Color

**XYZ(71.4795, 67.5654,
102.2025)**

Conversions

Conversions Part 1

Format	Color
Hex	E3CEFD
RGB	227, 206, 253
RGB Percent	89%, 81%, 99%
CMY	0.1098, 0.1921, 0.0078
CMYK	0.10, 0.19, 0.00, 0.01
HSL	267°, 92%, 90%
HSV	267°, 19%, 99%
XYZ	71.4795, 67.5654, 102.2025
YIQ	217.6370, -2.5710, 19.0690

Conversions

Conversions Part 2

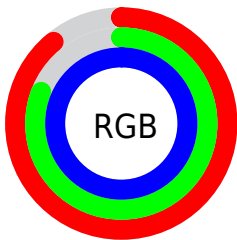
Format	Color
R _Y B	227, 206, 253
Decimal	14929661
CIE Lab	85.79, 15.95, -20.33
CIE LCh	86, 25.835, 308.119
Yxy	67.5654, 0.2963, 0.2801
Android (android.graphics.Color)	4293119741 (0xFFE3CEFD)
YUV	217.6370, 17.4340, 8.2114
Hunter-Lab	82.1982, 11.3767, -16.1805

Details

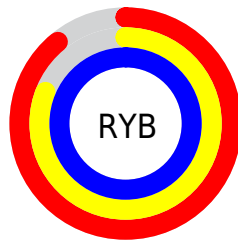
The XYZ color **71.4795, 67.5654, 102.2025** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.5469, 91.8643, 71.9348**, and the grayscale version is **66.2776, 69.7292, 75.9351**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.9866, 35.0999, 56.9974** is the 20% darker color. If you saturate the color by 10%, you get **61.6360, 54.1668, 100.1362**, and if you desaturate by 10%, it is **82.6664, 83.1153, 104.6154**.

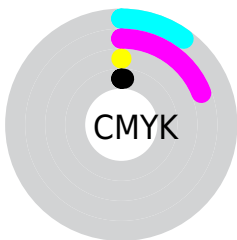
Distribution



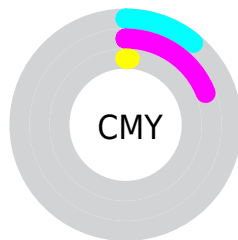
- Red (89%)
- Green (81%)
- Blue (99%)



- Red (89%)
- Yellow (81%)
- Blue (99%)



- Cyan (10%)
- Magenta (19%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (19%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4795, 67.5654, 102.2025 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 71.4795, 67.5654, 102.2025 by changing the saturation by 10% instead.

71.4795, 67.5654,
102.2025

71.4795, 67.5654,
102.2025

454.9137,
451.9547, 588.5381

53.0175, 49.5443,
77.5141

120.3310,
115.7302, 166.2588

38.0443, 35.0514,
57.1608

151.4513,
146.6426, 206.4639

26.1944, 23.7025,
40.7242

187.5218,
182.6210, 252.6782

17.1026, 15.1131,
27.7855

228.9077,
224.0496, 305.3204

10.4034, 8.8988,
17.9264

275.9745,
271.3128, 364.8089

5.7316, 4.6752,
10.7283

329.0876,

2.7217, 2.0580,

324.7952, 431.5623

5.7726

388.6122,
384.8810, 505.9992

■ 1.0083, 0.6408,
2.6407

■ 0.0000, 0.0000,
0.9134

■ 71.4795, 67.5654,
102.2025

■ 71.4795, 67.5654,
102.2025

■ 61.6360, 54.1668,
100.1362

■ 82.6664, 83.1153,
104.6154

■ 53.0743, 42.8130,
98.3959

94.7280, 99.8710,
107.2138

■ 45.7371, 33.4009,
96.9659

94.7298, 99.8719,
107.2139

■ 39.5597, 25.8151,
95.8273

■ 34.4708, 19.9271,
94.9590

■ 30.3903, 15.5911,
94.3371

■ 27.2242, 12.6352,
93.9335

■ 24.8432, 10.8171,
93.7080

■ 24.5446, 10.6051,
93.6828

Harmonies

Analogous

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



65.8345, 67.5654, 110.6466



71.4795, 67.5654, 102.2025



75.3319, 67.5654, 86.3518

Triad

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



71.4795, 67.5654, 102.2025



68.5402, 67.5654, 47.3490



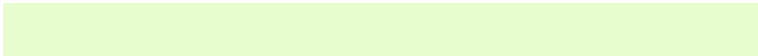
53.6301, 67.5654, 78.2520

Complementary

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



71.4795, 67.5654, 102.2025



79.5469, 91.8643, 71.9348

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.



54.2564, 67.5654, 62.1112



71.4795, 67.5654, 102.2025



62.6299, 67.5654, 45.8628

Square

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



71.4795, 67.5654, 102.2025



73.5638, 67.5654, 55.2786



57.4674, 67.5654, 50.8526



55.7009, 67.5654, 95.5010

Rectangle

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



71.4795, 67.5654, 102.2025



76.2377, 67.5654, 74.6387



57.4674, 67.5654, 50.8526



53.5347, 67.5654, 72.5061

Sweetspot

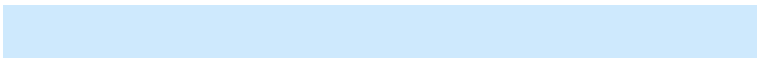
The Sweet Spot groups the original color and five complimentary colors.



71.4816, 67.5682, 102.2040



87.3161, 89.0535, 107.1947



72.2209, 78.2865, 104.2339



18.5157, 18.8169, 22.9061



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.



71.4816, 67.5682, 102.2040



69.1799, 63.8625, 103.2883



79.1794, 71.5366, 102.5642



17.7735, 17.7750, 22.7441



13.2186, 5.7249, 49.8429



1.4105, 0.6211, 4.8588

Inverse Universe

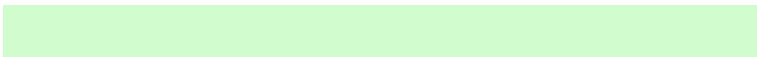
The Inverse Universe completely reimagines the original color for something new.



77.1471, 70.8544, 85.9572



75.9143, 67.7704, 83.8953



72.6005, 88.2833, 71.6097



18.4300, 18.1553, 20.8815



24.1401, 12.1453, 14.6539



2.4055, 1.2046, 1.7167

Previews

White Background



This preview shows how the XYZ color 71.4795, 67.5654, 102.2025 looks on a white background.

Color Contrast Check

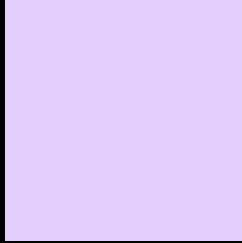
Large Text (above 18pt) WCAG AA × Fail

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 71.4795, 67.5654, 102.2025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

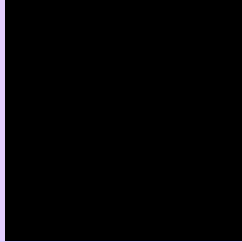
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.4795, 67.5654, 102.2025

Background



This preview shows how black text looks on a background with the XYZ color 71.4795, 67.5654, 102.2025.

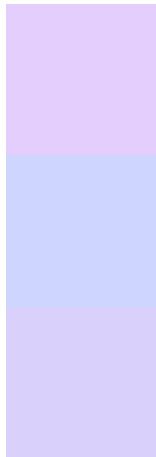


This preview shows how white text looks on a background with the XYZ color 71.4795, 67.5654,

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

71.4795, 67.5654, 102.2025

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

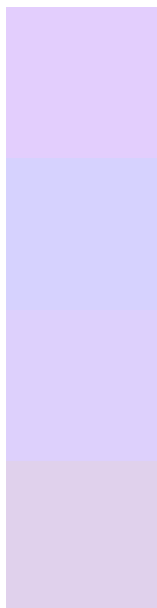
68.9864, 67.3809, 101.4653



Tritanopia

67.5908, 67.8226, 82.2017

Trichromacy



Original Color

71.4795, 67.5654, 102.2025

Protanomaly

68.6675, 67.5451, 103.1843

Deuteranomaly

69.9454, 67.5122, 101.4401

Tritanomaly

68.6813, 67.5044, 88.7666

Monochromacy



Original Color

71.4795, 67.5654, 102.2025

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.2892, 69.2348, 85.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4795, 67.5654, 102.2025 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, 206, 253)` looks like.

```
.text, #text, p{  
    color:rgb(227, 206, 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(227, 206, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 253) }
```

Border

The CSS property to change the border of an element to XYZ 71.4795, 67.5654, 102.2025 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, 206, 253) }
```


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

```
.border{ border-color:rgb(227, 206, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 206, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 206, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 206, 253);  
box-shadow:4px 4px 4px 4px rgb(227, 206,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4795, 67.5654, 102.2025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 206, 253) }
```

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

```
.background{ background-color: rgb(227,  
206, 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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