

Converting Colors

XYZ(71.9891, 67.9239,
104.0128)

Have a look what the booklet for
XYZ(71.9891, 67.9239, 104.0128)
contains.

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Color

**XYZ(71.7999, 67.6935,
103.8896)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E3CEFF |
| RGB | 227, 206, 255 |
| RGB Percent | 89%, 81%, 100% |
| CMY | 0.1098, 0.1921, 0.0000 |
| CMYK | 0.11, 0.19, 0.00, 0.00 |
| HSL | 266°, 100%, 90% |
| HSV | 266°, 19%, 100% |
| XYZ | 71.7999, 67.6935, 103.8896 |
| YIQ | 217.8650, -3.2130, 19.6910 |

Conversions

Conversions Part 2

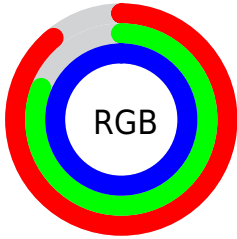
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 227, 206, 255 |
| Decimal | 14929663 |
| CIE Lab | 85.85, 16.35, -21.29 |
| CIE LCh | 86, 26.840, 307.527 |
| Yxy | 67.6935, 0.2950, 0.2781 |
| Android (android.graphics.Color) | 4293119743 (0xFFE3CEFF) |
| YUV | 217.8650, 18.3076, 8.0114 |
| Hunter-Lab | 82.2761, 11.7886, -17.2720 |

Details

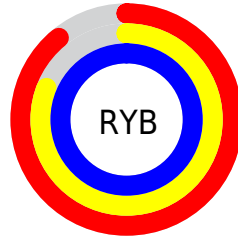
The XYZ color **71.7999, 67.6935, 103.8896** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.8337, 93.4693, 72.1766**, and the grayscale version is **66.4287, 69.8882, 76.1083**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.2159, 35.1916, 58.2045** is the 20% darker color. If you saturate the color by 10%, you get **61.7491, 54.1279, 101.8009**, and if you desaturate by 10%, it is **83.2393, 83.4568, 106.3293**.

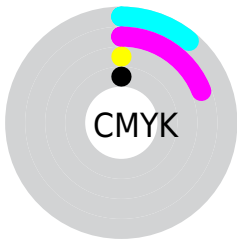
Distribution



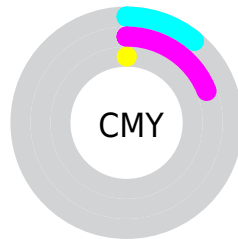
- Red (89%)
- Green (81%)
- Blue (100%)



- Red (89%)
- Yellow (81%)
- Blue (100%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7999, 67.6935, 103.8896 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 71.7999, 67.6935, 103.8896 by changing the saturation by 10% instead.

71.7999, 67.6935,
103.8896

71.7999, 67.6935,
103.8896

456.0133,
452.4093, 593.9453

53.2801, 49.6484,
78.9179

120.7843,
115.9136, 168.5905

38.2548, 35.1341,
58.3074

151.9797,
146.8573, 209.1569

26.3586, 23.7662,
41.6395

188.1310,
182.8695, 255.7585

17.2262, 15.1603,
28.4957

229.6035,
224.3344, 308.8140

10.4922, 8.9320,
18.4573

276.7626,
271.6364, 368.7419

5.7913, 4.6968,
11.1060

329.9737,

2.7580, 2.0705,

325.1600, 435.9607

6.0231

389.6022,
385.2895, 510.8890

■ 1.0271, 0.6480,
2.7901

■ 0.0000, 0.0000,
0.9885

■ 71.7999, 67.6935,
103.8896

■ 71.7999, 67.6935,
103.8896

■ 61.7491, 54.1279,
101.8009

■ 83.2393, 83.4568,
106.3293

■ 53.0237, 42.6510,
100.0455

95.0500, 100.0000,
108.9000

■ 45.5638, 33.1564,
98.6061

■ 39.3021, 25.5252,
97.4632

■ 34.1643, 19.6250,
96.5951

■ 30.0667, 15.3050,
95.9772

■ 26.9112, 12.3873,
95.5803

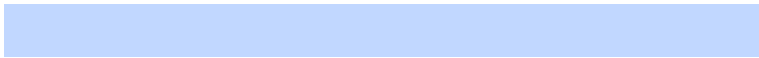
■ 24.5557, 10.6061,
95.3607

■ 24.3916, 10.4892,
95.3468

Harmonies

Analogous

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



65.8989, 67.6935, 112.5452



71.7999, 67.6935, 103.8896



75.8729, 67.6935, 87.3947

Triad

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



71.7999, 67.6935, 103.8896



68.9577, 67.6935, 46.6799



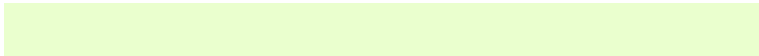
53.3364, 67.6935, 78.2231

Complementary

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



71.7999, 67.6935, 103.8896



80.8337, 93.4693, 72.1766

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.



54.0405, 67.6935, 61.5282



71.7999, 67.6935, 103.8896



62.8072, 67.6935, 45.0220

Square

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



71.7999, 67.6935, 103.8896



74.1605, 67.6935, 54.9773



57.4168, 67.6935, 50.0215



55.4283, 67.6935, 96.2694

Rectangle

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



71.7999, 67.6935, 103.8896



76.8651, 67.6935, 75.1746



57.4168, 67.6935, 50.0215



53.2564, 67.6935, 72.2581

Sweetspot

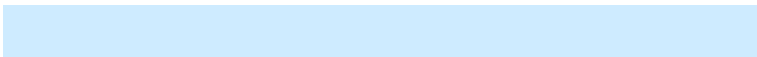
The Sweet Spot groups the original color and five complimentary colors.



71.8018, 67.6963, 103.8901



87.2181, 89.0030, 107.1902



73.0947, 79.5220, 106.1045



18.4926, 18.8049, 22.9050



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.



71.8018, 67.6963, 103.8901



67.8357, 62.3064, 103.0587



79.8763, 71.8588, 104.2679



17.7412, 17.7583, 22.7426



12.9079, 5.5648, 49.8284



1.3788, 0.6047, 4.8573

Inverse Universe

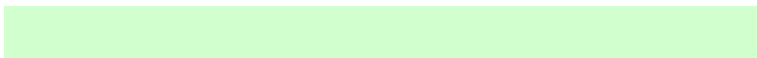
The Inverse Universe completely reimagines the original color for something new.



78.1641, 71.3456, 87.4952



75.3229, 66.6035, 83.6492



73.5045, 89.6910, 71.8336



18.4444, 18.1611, 20.9573



24.3246, 12.2191, 15.6257



2.4232, 1.2116, 1.8098

Previews

White Background



This preview shows how the XYZ color 71.7999, 67.6935, 103.8896 looks on a white background.

Color Contrast Check

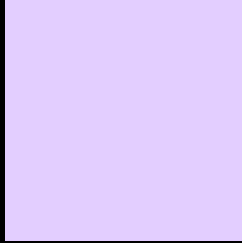
Large Text (above 18pt) WCAG AA × Fail

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 71.7999, 67.6935, 103.8896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

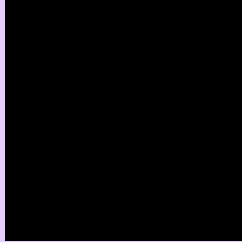
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7999, 67.6935, 103.8896

Background



This preview shows how black text looks on a background with the XYZ color 71.7999, 67.6935, 103.8896.

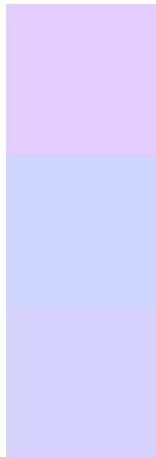


This preview shows how white text looks on a background with the XYZ color 71.7999, 67.6935,

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

71.7999, 67.6935, 103.8896

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

69.2549, 67.8479, 103.2118



Tritanopia

67.5908, 67.8226, 82.2017

Trichromacy



Original Color

71.7999, 67.6935, 103.8896

Protanomaly

68.8281, 67.6093, 104.0300

Deuteranomaly

70.2051, 67.9723, 103.1857

Tritanomaly

68.8270, 67.5626, 89.5341

Monochromacy



Original Color

71.7999, 67.6935, 103.8896

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 71.7999, 67.6935, 103.8896 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 206, 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, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 206, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.7999, 67.6935, 103.8896 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, 255) }
```


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

```
.border{ border-color:rgb(227, 206, 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, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 206,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7999, 67.6935, 103.8896 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, 255) }
```

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

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