

# Converting Colors

XYZ(71.5662, 67.9502,  
103.1097)

Have a look what the booklet for  
XYZ(71.5662, 67.9502, 103.1097)  
contains.

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# Color

**XYZ(71.5662, 67.9502,  
103.1097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CFFE
RGB	226, 207, 254
RGB Percent	89%, 81%, 100%
CMY	0.1137, 0.1882, 0.0039
CMYK	0.11, 0.19, 0.00, 0.00
HSL	264°, 96%, 90%
HSV	264°, 19%, 100%
XYZ	71.5662, 67.9502, 103.1097
YIQ	218.0390, -3.7630, 18.6450

# Conversions

## Conversions Part 2

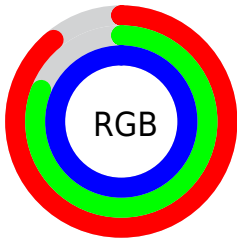
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 207, 254
Decimal	14864382
CIE <sub>Lab</sub>	85.98, 15.30, -20.57
CIE <sub>LCh</sub>	86, 25.637, 306.642
Y <sub>xy</sub>	67.9502, 0.2950, 0.2801
Android (android.graphics.Color)	4293054462 (0xFFE2CFFE)
Y <sub>UV</sub>	218.0390, 17.7288, 6.9818
Hunter-Lab	82.4319, 10.7153, -16.4604

# Details

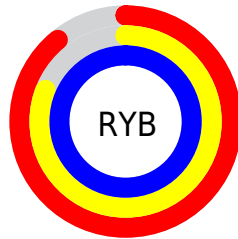
The XYZ color **71.5662, 67.9502, 103.1097** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.9678, 93.0526, 72.7283**, and the grayscale version is **66.5528, 70.0187, 76.2503**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0468, 35.3597, 57.6431** is the 20% darker color. If you saturate the color by 10%, you get **61.3632, 54.2797, 101.0099**, and if you desaturate by 10%, it is **83.1821, 83.8220, 105.5621**.

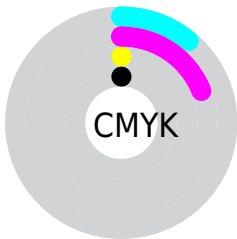
# Distribution



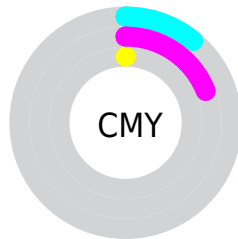
- Red (89%)
- Green (81%)
- Blue (100%)



- 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 71.5662, 67.9502, 103.1097 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 71.5662, 67.9502, 103.1097 by changing the saturation by 10% instead.



71.5662, 67.9502,  
103.1097

71.5662, 67.9502,  
103.1097

455.2114,  
453.3196, 591.4489

53.0886, 49.8572,  
78.2688

120.4537,  
116.2809, 167.5131

38.1013, 35.3000,  
57.7771

151.5943,  
147.2874, 207.9127

26.2389, 23.8940,  
41.2159

187.6867,  
183.3672, 254.3357

17.1360, 15.2550,  
28.1669

229.0961,  
224.9047, 307.2004

10.4274, 8.9986,  
18.2114

276.1879,  
272.2843, 366.9256

5.7477, 4.7402,  
10.9308

329.3275,

2.7315, 2.0957,

325.8904, 433.9297

5.9068

388.8802,  
386.1073, 508.6313

■ 1.0134, 0.6622,  
2.7206

■ 0.0000, 0.0000,  
0.9538

■ 71.5662, 67.9502,  
103.1097

■ 71.5662, 67.9502,  
103.1097

■ 61.3632, 54.2797,  
101.0099

■ 83.1821, 83.8220,  
105.5621

■ 52.5088, 42.7020,  
99.2418

94.8896, 99.9358,  
108.0553

■ 44.9428, 33.1119,  
97.7895

■ 38.5975, 25.3915,  
96.6337

■ 33.3984, 19.4099,  
95.7532

■ 29.2617, 15.0186,  
95.1236

■ 26.0896, 12.0428,  
94.7164

■ 23.7494, 10.2380,  
94.4914

■ 23.4456, 10.0200,  
94.4654

# Harmonies

## Analogous

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



65.9005, 67.9502, 111.0120



71.5662, 67.9502, 103.1097



75.5240, 67.9502, 87.5731

# Triad

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



71.5662, 67.9502, 103.1097



69.1692, 67.9502, 48.0752



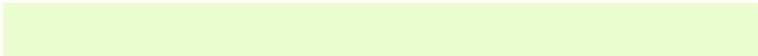
53.9980, 67.9502, 77.7931

# Complementary

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



71.5662, 67.9502, 103.1097



80.9678, 93.0526, 72.7283

# 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.



54.7561, 67.9502, 61.8828



71.5662, 67.9502, 103.1097



63.2863, 67.9502, 46.2715

# Square

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



71.5662, 67.9502, 103.1097



74.0825, 67.9502, 56.3036



58.0725, 67.9502, 50.9386



55.9353, 67.9502, 95.0303



# Rectangle

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



71.5662, 67.9502, 103.1097



76.5349, 67.9502, 75.8979



58.0725, 67.9502, 50.9386



53.9479, 67.9502, 72.1069

# Sweetspot

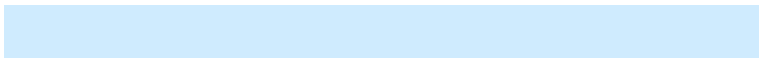
The Sweet Spot groups the original color and five complimentary colors.



71.5683, 67.9531, 103.1112



87.0874, 88.9356, 107.1840



73.3896, 79.9549, 105.3318



18.4617, 18.7890, 22.9036



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.



71.5683, 67.9531, 103.1112



68.4451, 63.4837, 103.2539



79.3782, 71.9792, 103.4767



17.6981, 17.7361, 22.7406



12.5169, 5.3632, 49.8101



1.3384, 0.5839, 4.8554



# Inverse Universe

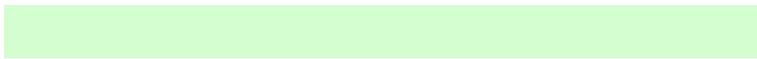
The Inverse Universe completely reimagines the original color for something new.



78.1837, 71.6977, 88.3190



76.2519, 67.9054, 85.6731



73.7717, 89.3429, 72.3915



18.4637, 18.1688, 21.0588



24.5828, 12.3224, 16.9854



2.4477, 1.2214, 1.9389



# Previews

## White Background



This preview shows how the XYZ color 71.5662, 67.9502, 103.1097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

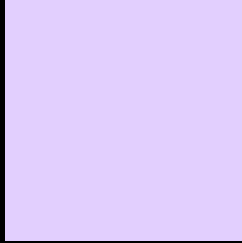
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5662, 67.9502, 103.1097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

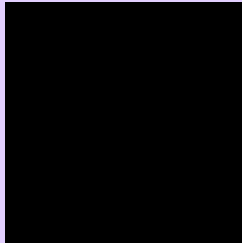
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.5662, 67.9502, 103.1097**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.5662, 67.9502, 103.1097.



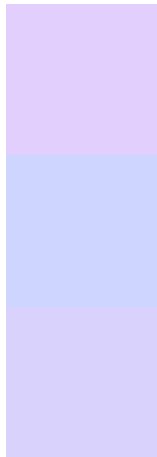
This preview shows how white text looks on a background with the XYZ color 71.5662, 67.9502,



# 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

71.5662, 67.9502, 103.1097

### Protanopia

67.2978, 67.9303, 104.1726

### Deuteranopia

69.3915, 67.9367, 102.3843



## Tritanopia

67.6713, 68.2180, 82.9995

# Trichromacy



## Original Color

71.5662, 67.9502, 103.1097

## Protanomaly

68.7848, 67.9547, 104.0990

## Deuteranomaly

70.0453, 67.9084, 102.3444

## Tritanomaly

68.7641, 67.8956, 89.6017

# Monochromacy



## Original Color

71.5662, 67.9502, 103.1097

## 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 71.5662, 67.9502, 103.1097 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, 207, 254)` looks like.

```
.text, #text, p{  
    color:rgb(226, 207, 254)  
}
```

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, 207, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 207, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5662, 67.9502, 103.1097 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".

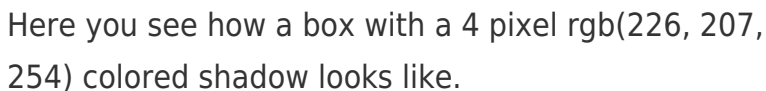
```
.border, #border, table{ border:4px solid rgb(226, 207, 254) }
```



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

```
.border{ border-color:rgb(226, 207, 254) }
```

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



Here you see how a box with a 4 pixel rgb(226, 207, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 207, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 207, 254);  
box-shadow:4px 4px 4px 4px rgb(226, 207,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5662, 67.9502, 103.1097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 207, 254) }
```

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

```
.background{ background-color: rgb(226,  
207, 254) }
```

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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