

Converting Colors

XYZ(71.3513, 67.6319, 95.4535)

Have a look what the booklet for
XYZ(71.3513, 67.6319, 95.4535)
contains.

XYZ(71.5077, 67.7241, 95.6894)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.5077, 67.7241,
95.6894)**

Conversions

Conversions Part 1

Format	Color
Hex	E7CEF5
RGB	231, 206, 245
RGB Percent	91%, 81%, 96%
CMY	0.0941, 0.1921, 0.0392
CMYK	0.06, 0.16, 0.00, 0.04
HSL	278°, 66%, 88%
HSV	278°, 16%, 96%
XYZ	71.5077, 67.7241, 95.6894
YIQ	217.9210, 2.3810, 17.4290

Conversions

Conversions Part 2

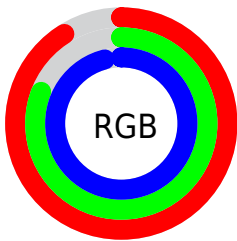
Format	Color
R _Y B	231, 206, 245
Decimal	15191797
CIE Lab	85.87, 15.66, -15.94
CIE LCh	86, 22.346, 314.507
Yxy	67.7241, 0.3044, 0.2883
Android (android.graphics.Color)	4293381877 (0xFFE7CEF5)
YUV	217.9210, 13.3499, 11.4703
Hunter-Lab	82.2947, 11.0871, -11.3341

Details

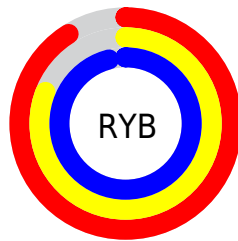
The XYZ color **71.5077, 67.7241, 95.6894** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **73.3107, 84.9785, 70.9344**, and the grayscale version is **66.4976, 69.9607, 76.1872**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.0927, 35.2446, 52.9393** is the 20% darker color. If you saturate the color by 10%, you get **63.2958, 55.4084, 93.7461**, and if you desaturate by 10%, it is **80.7857, 81.9578, 97.9488**.

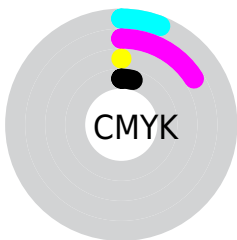
Distribution



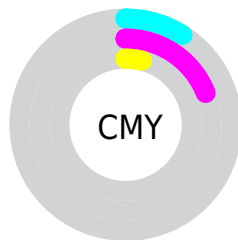
- Red (91%)
- Green (81%)
- Blue (96%)



- Red (91%)
- Yellow (81%)
- Blue (96%)



- Cyan (6%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



- Cyan (9%)
- Magenta (19%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5077, 67.7241, 95.6894 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 71.5077, 67.7241, 95.6894 by changing the saturation by 10% instead.

71.5077, 67.7241,
95.6894

71.5077, 67.7241,
95.6894

455.0105,
452.5179, 567.4103

53.0406, 49.6733,
72.1088

120.3709,
115.9574, 157.2205

38.0628, 35.1539,
52.7602

151.4978,
146.9086, 196.0080

26.2089, 23.7814,
37.2250

187.5754,
182.9288, 240.7017

17.1135, 15.1716,
25.0846

228.9690,
224.4024, 291.7200

10.4112, 8.9399,
15.9205

276.0439,
271.7137, 349.4815

5.7368, 4.7020,
9.3142

329.1656,

2.7248, 2.0735,

325.2471, 414.4046

4.8471

388.6993,
385.3870, 486.9081

■ 1.0100, 0.6497,
2.1006

■ 0.0000, 0.0000,
0.6161

■ 71.5077, 67.7241,
95.6894

■ 71.5077, 67.7241,
95.6894

■ 63.2958, 55.4084,
93.7461

■ 80.7857, 81.9578,
97.9488

■ 56.0993, 44.9159,
92.1001

■ 91.1635, 98.1776,
100.5326

■ 49.8723, 36.1569,
90.7377

■ 93.4816, 99.3727,
100.6411

■ 44.5627, 29.0304,
89.6419

■ 40.1130, 23.4245,
88.7944

■ 36.4584, 19.2131,
88.1742

■ 33.5234, 16.2487,
87.7567

■ 31.2152, 14.3493,
87.5117

■ 30.3952, 13.7654,
87.4422

Harmonies

Analogous

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



66.8631, 67.7241, 104.4831



71.5077, 67.7241, 95.6894



74.3125, 67.7241, 81.5169

Triad

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



71.5077, 67.7241, 95.6894



67.0308, 67.7241, 49.8062



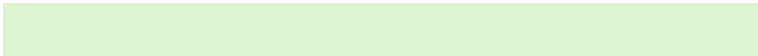
55.3163, 67.7241, 81.0177

Complementary

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



71.5077, 67.7241, 95.6894



73.3107, 84.9785, 70.9344

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.



55.3559, 67.7241, 66.4742



71.5077, 67.7241, 95.6894



61.9391, 67.7241, 49.7098

Square

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



71.5077, 67.7241, 95.6894



71.6361, 67.7241, 55.7171



57.7233, 67.7241, 55.4334



57.6122, 67.7241, 95.2824

Rectangle

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



71.5077, 67.7241, 95.6894



74.6727, 67.7241, 71.5504



57.7233, 67.7241, 55.4334



55.0609, 67.7241, 75.9739

Sweetspot

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



71.5097, 67.7270, 95.6909



89.4526, 91.2754, 107.5110



67.6097, 71.0612, 96.5400



18.9834, 19.2837, 22.9715



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.



71.5097, 67.7270, 95.6909



75.3819, 69.7370, 104.0953



75.4279, 69.8373, 91.7883



16.6029, 16.4535, 20.8433



16.5309, 7.4963, 47.1137



1.5648, 0.7166, 4.1461

Inverse Universe

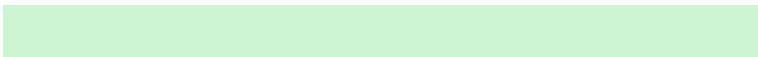
The Inverse Universe completely reimagines the original color for something new.



72.6481, 68.7254, 77.1498



76.8908, 71.0467, 80.1416



69.8914, 83.1416, 74.1269



16.7449, 16.5808, 18.4033



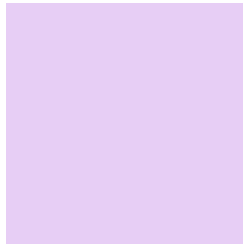
21.2941, 10.8611, 6.2572



1.9188, 0.9735, 0.7989

Previews

White Background



This preview shows how the XYZ color 71.5077, 67.7241, 95.6894 looks on a white background.

Color Contrast Check

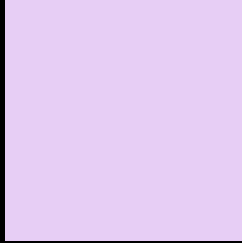
Large Text (above 18pt) WCAG AA × Fail

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 71.5077, 67.7241, 95.6894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

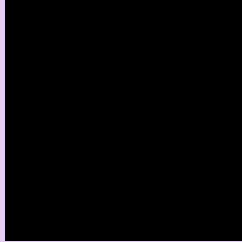
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.5077, 67.7241, 95.6894

Background



This preview shows how black text looks on a background with the XYZ color 71.5077, 67.7241, 95.6894.



This preview shows how white text looks on a background with the XYZ color 71.5077, 67.7241,

95.6894.

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

71.5077, 67.7241, 95.6894

Protanopia

67.0620, 67.9005, 100.0140

Deuteranopia

69.2538, 67.6622, 94.9980



Tritanopia

68.5228, 67.5859, 81.3853

Trichromacy



Original Color

71.5077, 67.7241, 95.6894

Protanomaly

68.3088, 67.4694, 98.2296

Deuteranomaly

69.9363, 67.6510, 94.9598

Tritanomaly

69.5770, 67.6530, 86.4820

Monochromacy



Original Color

71.5077, 67.7241, 95.6894

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

68.4816, 69.3825, 83.1816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5077, 67.7241, 95.6894 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(231, 206, 245)` looks like.

```
.text, #text, p{  
    color:rgb(231, 206, 245)  
}
```

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(231, 206, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 206, 245) }
```

Border

The CSS property to change the border of an element to XYZ 71.5077, 67.7241, 95.6894 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(231, 206, 245) }
```


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

```
.border{ border-color:rgb(231, 206, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 206, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 206, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 206, 245); box-shadow:4px 4px 4px 4px rgb(231, 206, 245) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5077, 67.7241, 95.6894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 206, 245) }
```

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

```
.background{ background-color: rgb(231,  
206, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor