

Converting Colors

XYZ(71.8690, 67.0189,
103.7558)

Have a look what the booklet for
XYZ(71.8690, 67.0189, 103.7558)
contains.

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Color

**XYZ(71.9560, 67.0637,
103.7598)**

Conversions

Conversions Part 1

Format	Color
Hex	E5CCFF
RGB	229, 204, 255
RGB Percent	90%, 80%, 100%
CMY	0.1020, 0.2000, 0.0000
CMYK	0.10, 0.20, 0.00, 0.00
HSL	269°, 100%, 90%
HSV	269°, 20%, 100%
XYZ	71.9560, 67.0637, 103.7598
YIQ	217.2890, -1.4710, 21.1610

Conversions

Conversions Part 2

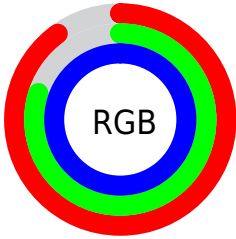
Format	Color
R _Y B	229, 204, 255
Decimal	15060223
CIE Lab	85.54, 18.04, -21.75
CIE LCh	86, 28.261, 309.680
Yxy	67.0637, 0.2964, 0.2762
Android (android.graphics.Color)	4293250303 (0xFFE5CCFF)
YUV	217.2890, 18.5915, 10.2705
Hunter-Lab	81.8924, 13.5299, -17.7972

Details

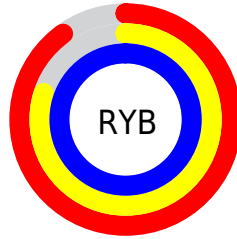
The XYZ color **71.9560, 67.0637, 103.7598** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.2936, 92.7033, 70.8441**, and the grayscale version is **66.0304, 69.4691, 75.6518**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3330, 34.7741, 58.1178** is the 20% darker color. If you saturate the color by 10%, you get **62.3906, 53.8614, 101.7157**, and if you desaturate by 10%, it is **82.8280, 82.4161, 106.1501**.

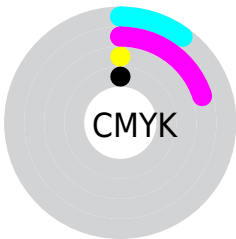
Distribution



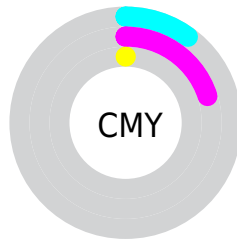
- Red (90%)
- Green (80%)
- Blue (100%)



- Red (90%)
- Yellow (80%)
- Blue (100%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9560, 67.0637, 103.7598 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 71.9560, 67.0637, 103.7598 by changing the saturation by 10% instead.

71.9560, 67.0637,
103.7598

71.9560, 67.0637,
103.7598

456.5484,
450.1715, 593.5302

53.4081, 49.1364,
78.8099

121.0051,
115.0117, 168.4113

38.3574, 34.7277,
58.2191

152.2370,
145.8011, 208.9499

26.4387, 23.4532,
41.5690

188.4276,
181.6468, 255.5218

17.2865, 14.9285,
28.4409

229.9422,
222.9330, 308.5456

10.5355, 8.7692,
18.4163

277.1463,
270.0442, 368.4398

5.8204, 4.5910,
11.0768

330.4051,

2.7758, 2.0093,

323.3647, 435.6229

6.0037

390.0840,
383.2790, 510.5135

■ 1.0363, 0.6129,
2.7785

■ 0.0000, 0.0000,
0.9827

■ 71.9560, 67.0637,
103.7598

■ 71.9560, 67.0637,
103.7598

■ 62.3906, 53.8614,
101.7157

■ 82.8280, 82.4161,
106.1501

■ 54.0713, 42.7009,
100.0000

95.0500, 100.0000,
108.9000

■ 46.9405, 33.4769,
98.5954

■ 40.9338, 26.0711,
97.4825

■ 35.9797, 20.3515,
96.6396

■ 31.9970, 16.1676,
96.0420

■ 28.8901, 13.3405,
95.6600

■ 26.5078, 11.5802,
95.4458

■ 26.5074, 11.5800,
95.4458

Harmonies

Analogous

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



65.8410, 67.0637, 113.7239



71.9560, 67.0637, 103.7598



76.0373, 67.0637, 86.0029

Triad

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



71.9560, 67.0637, 103.7598



68.1269, 67.0637, 44.6245



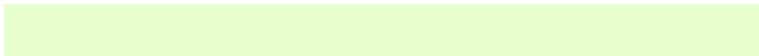
52.3280, 67.0637, 79.1304

Complementary

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



71.9560, 67.0637, 103.7598



79.2936, 92.7033, 70.8441

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.



52.8493, 67.0637, 61.4159



71.9560, 67.0637, 103.7598



61.6881, 67.0637, 43.4134

Square

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



71.9560, 67.0637, 103.7598



73.7256, 67.0637, 52.6881



56.1782, 67.0637, 49.0453



54.7030, 67.0637, 98.0088

Rectangle

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



71.9560, 67.0637, 103.7598



76.9046, 67.0637, 73.2185



56.1782, 67.0637, 49.0453



52.1741, 67.0637, 72.8238

Sweetspot

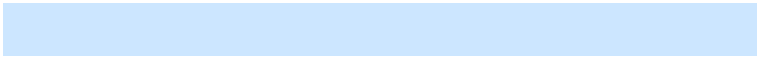
The Sweet Spot groups the original color and five complimentary colors.



71.9579, 67.0664, 103.7603



87.5502, 89.1742, 107.2057



71.3481, 76.8480, 105.6804



18.5710, 18.8454, 22.9087



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.



71.9579, 67.0664, 103.7603



67.9758, 61.5300, 102.9015



80.5720, 71.5072, 104.1634



17.8509, 17.8148, 22.7477



14.0220, 6.1391, 49.8805



1.4909, 0.6625, 4.8626

Inverse Universe

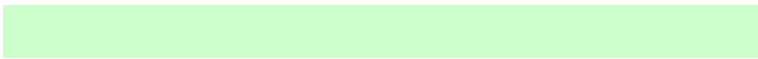
The Inverse Universe completely reimagines the original color for something new.



77.1173, 70.1613, 84.3427



74.0779, 65.1909, 79.9130



71.7965, 88.8384, 70.4932



18.3959, 18.1417, 20.7018



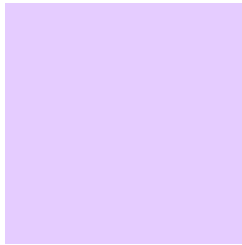
23.7299, 11.9812, 12.4938



2.3657, 1.1887, 1.5071

Previews

White Background



This preview shows how the XYZ color 71.9560, 67.0637, 103.7598 looks on a white background.

Color Contrast Check

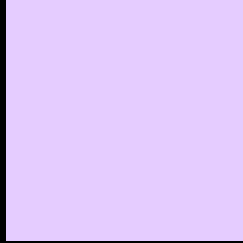
Large Text (above 18pt) WCAG AA × Fail

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 71.9560, 67.0637, 103.7598 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 71.9560, 67.0637, 103.7598

Background



This preview shows how black text looks on a background with the XYZ color 71.9560, 67.0637, 103.7598.

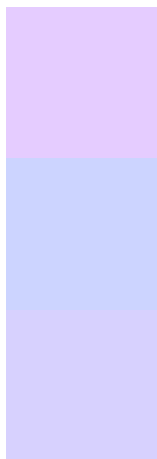


This preview shows how white text looks on a background with the XYZ color 71.9560, 67.0637,

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

71.9560, 67.0637, 103.7598

Protanopia

66.4953, 67.1443, 104.0632

Deuteranopia

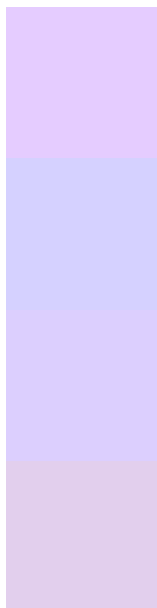
68.7142, 67.2038, 103.1159



Tritanopia

67.2684, 66.9392, 81.3266

Trichromacy



Original Color

71.9560, 67.0637, 103.7598

Protanomaly

68.2910, 66.9671, 103.9344

Deuteranomaly

69.7174, 66.9970, 103.0232

Tritanomaly

68.9629, 66.9088, 89.4007

Monochromacy



Original Color

71.9560, 67.0637, 103.7598

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.7861, 68.2286, 85.1980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9560, 67.0637, 103.7598 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(229, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 204, 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(229, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.9560, 67.0637, 103.7598 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(229, 204, 255) }
```


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

```
.border{ border-color:rgb(229, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9560, 67.0637, 103.7598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 204, 255) }
```

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

```
.background{ background-color: rgb(229,  
204, 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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