

Converting Colors

XYZ(70.9430, 66.4606,
103.6968)

Have a look what the booklet for
XYZ(70.9430, 66.4606, 103.6968)
contains.

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Color

**XYZ(71.0069, 66.5745,
103.7154)**

Conversions

Conversions Part 1

Format	Color
Hex	E2CCFF
RGB	226, 204, 255
RGB Percent	89%, 80%, 100%
CMY	0.1137, 0.2000, 0.0000
CMYK	0.11, 0.20, 0.00, 0.00
HSL	266°, 100%, 90%
HSV	266°, 20%, 100%
XYZ	71.0069, 66.5745, 103.7154
YIQ	216.3920, -3.2590, 20.5250

Conversions

Conversions Part 2

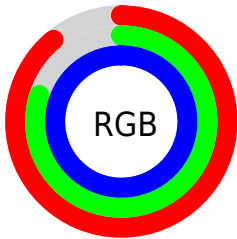
Format	Color
R _Y B	226, 204, 255
Decimal	14863615
CIE _{Lab}	85.29, 17.10, -22.15
CIE _{LCh}	85, 27.981, 307.668
Y _{xy}	66.5745, 0.2943, 0.2759
Android (android.graphics.Color)	4293053695 (0xFFE2CCFF)
Y _{UV}	216.3920, 19.0337, 8.4262
Hunter-Lab	81.5932, 12.5524, -18.2499

Details

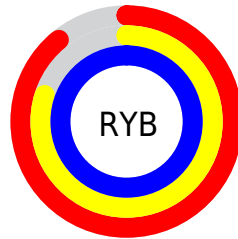
The XYZ color **71.0069, 66.5745, 103.7154** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.2649, 93.2040, 70.8896**, and the grayscale version is **65.4150, 68.8217, 74.9468**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6770, 34.4360, 58.0871** is the 20% darker color. If you saturate the color by 10%, you get **61.0791, 53.1853, 101.6543**, and if you desaturate by 10%, it is **82.3153, 82.1518, 106.1262**.

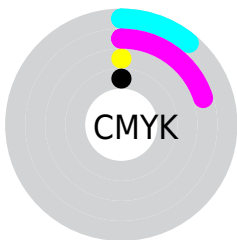
Distribution



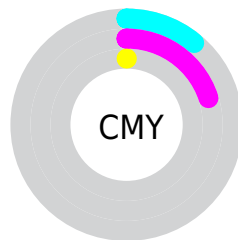
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0069, 66.5745, 103.7154 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 71.0069, 66.5745, 103.7154 by changing the saturation by 10% instead.

71.0069, 66.5745,
103.7154

71.0069, 66.5745,
103.7154

453.2890,
448.4287, 593.3881

52.6304, 48.7389,
78.7729

119.6620,
114.3105, 168.3499

37.7341, 34.4124,
58.1889

150.6713,
144.9797, 208.8791

25.9526, 23.2106,
41.5448

186.6223,
180.6956, 255.4409

16.9207, 14.7491,
28.4221

227.8802,
221.8425, 308.4538

10.2729, 8.6435,
18.4023

274.8105,
268.8049, 368.3365

5.6439, 4.5094,
11.0668

327.7785,

2.6684, 1.9624,

321.9671, 435.5074

5.9970

387.1495,
381.7136, 510.3851

■ 0.9809, 0.5855,
2.7745

■ 0.0000, 0.0000,
0.9807

■ 71.0069, 66.5745,
103.7154

■ 71.0069, 66.5745,
103.7154

■ 61.0791, 53.1853,
101.6543

■ 82.3153, 82.1518,
106.1262

■ 52.4684, 41.8746,
99.9250

95.0500, 100.0000,
108.9000

■ 45.1148, 32.5357,
98.5100

■ 38.9505, 25.0487,
97.3897

■ 33.9010, 19.2799,
96.5424

■ 29.8816, 15.0771,
95.9430

■ 26.7932, 12.2595,
95.5619

■ 24.4804, 10.5351,
95.3510

■ 24.4800, 10.5348,
95.3509

Harmonies

Analogous

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



64.9145, 66.5745, 112.7945



71.0069, 66.5745, 103.7154



75.2115, 66.5745, 86.5502

Triad

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



71.0069, 66.5745, 103.7154



68.0134, 66.5745, 44.7986



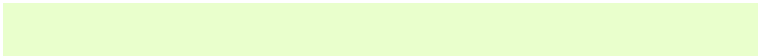
51.9690, 66.5745, 77.2380

Complementary

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



71.0069, 66.5745, 103.7154



80.2649, 93.2040, 70.8896

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.



52.6770, 66.5745, 60.0385



71.0069, 66.5745, 103.7154



61.6674, 66.5745, 43.1493

Square

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



71.0069, 66.5745, 103.7154



73.4044, 66.5745, 53.2123



56.1296, 66.5745, 48.2574



54.1269, 66.5745, 95.9341

Rectangle

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



71.0069, 66.5745, 103.7154



76.2286, 66.5745, 73.9151



56.1296, 66.5745, 48.2574



51.8825, 66.5745, 71.0800

Sweetspot

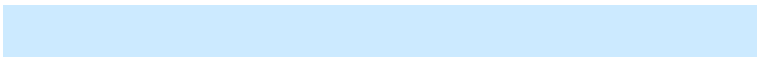
The Sweet Spot groups the original color and five complimentary colors.



71.0088, 66.5772, 103.7159



87.2331, 89.0108, 107.1909



72.3055, 78.7626, 105.9995



18.4961, 18.8068, 22.9052



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.



71.0088, 66.5772, 103.7159



66.8729, 60.9614, 102.8499



79.3379, 70.8710, 104.1057



17.7461, 17.7609, 22.7428



12.9546, 5.5888, 49.8306



1.3836, 0.6072, 4.8575

Inverse Universe

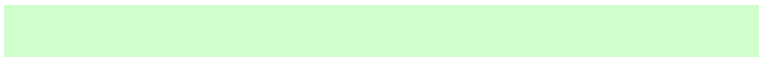
The Inverse Universe completely reimagines the original color for something new.



77.5424, 70.3315, 86.5813



74.5745, 65.3895, 82.5277



72.7437, 89.3267, 70.5377



18.4422, 18.1602, 20.9457



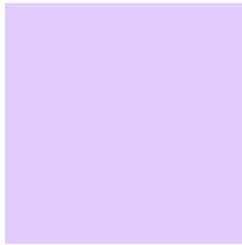
24.2958, 12.2076, 15.4740



2.4204, 1.2105, 1.7953

Previews

White Background



This preview shows how the XYZ color 71.0069, 66.5745, 103.7154 looks on a white background.

Color Contrast Check

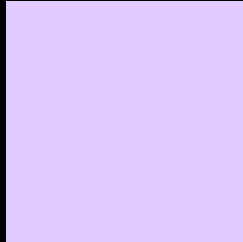
Large Text (above 18pt) WCAG AA × Fail

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 71.0069, 66.5745, 103.7154 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 71.0069, 66.5745, 103.7154

Background



This preview shows how black text looks on a background with the XYZ color 71.0069, 66.5745, 103.7154.

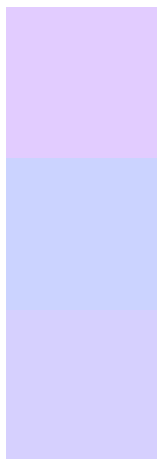


This preview shows how white text looks on a background with the XYZ color 71.0069, 66.5745,

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

71.0069, 66.5745, 103.7154

Protanopia

65.9729, 66.5050, 103.9674

Deuteranopia

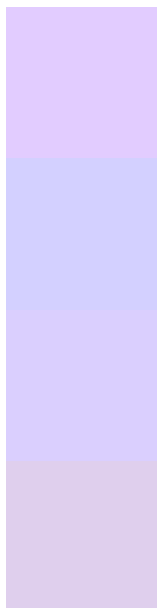
68.1768, 66.5636, 103.0207



Tritanopia

66.3467, 66.4641, 81.2835

Trichromacy



Original Color

71.0069, 66.5745, 103.7154

Protanomaly

67.4698, 66.1806, 103.8258

Deuteranomaly

69.1157, 66.6868, 102.9950

Tritanomaly

68.0303, 66.4280, 89.3571

Monochromacy



Original Color

71.0069, 66.5745, 103.7154

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

67.3416, 68.0158, 84.4420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0069, 66.5745, 103.7154 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, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.0069, 66.5745, 103.7154 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, 204, 255) }
```


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

```
.border{ border-color:rgb(226, 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(226, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0069, 66.5745, 103.7154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 204, 255) }
```

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

```
.background{ background-color: rgb(226,  
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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