

Converting Colors

XYZ(70.7543, 65.4017,
100.7058)

Have a look what the booklet for
XYZ(70.7543, 65.4017, 100.7058)
contains.

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Color

**XYZ(70.7704, 65.4596,
101.0004)**

Conversions

Conversions Part 1

Format	Color
Hex	E5C9FC
RGB	229, 201, 252
RGB Percent	90%, 79%, 99%
CMY	0.1020, 0.2117, 0.0118
CMYK	0.09, 0.20, 0.00, 0.01
HSL	273°, 89%, 89%
HSV	273°, 20%, 99%
XYZ	70.7704, 65.4596, 101.0004
YIQ	215.1860, 0.3170, 21.7970

Conversions

Conversions Part 2

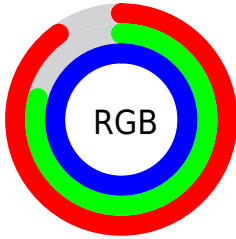
Format	Color
R _Y B	229, 201, 252
Decimal	15059452
CIE Lab	84.72, 19.05, -21.40
CIE LCh	85, 28.646, 311.673
Yxy	65.4596, 0.2983, 0.2759
Android (android.graphics.Color)	4293249532 (0xFFE5C9FC)
YUV	215.1860, 18.1493, 12.1149
Hunter-Lab	80.9071, 14.5486, -17.3797

Details

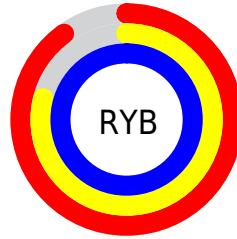
The XYZ color **70.7704, 65.4596, 101.0004** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.0958, 89.6868, 68.5621**, and the grayscale version is **64.5998, 67.9640, 74.0128**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5176, 33.6918, 56.1555** is the 20% darker color. If you saturate the color by 10%, you get **61.8629, 52.8521, 99.0374**, and if you desaturate by 10%, it is **80.8831, 80.1224, 103.2986**.

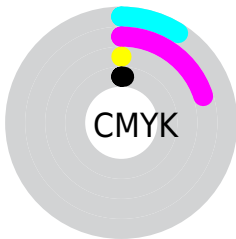
Distribution



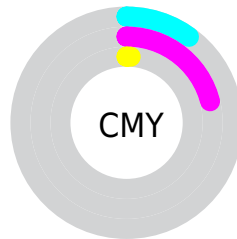
- Red (90%)
- Green (79%)
- Blue (99%)



- Red (90%)
- Yellow (79%)
- Blue (99%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (1%)



- Cyan (10%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7704, 65.4596, 101.0004 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 70.7704, 65.4596, 101.0004 by changing the saturation by 10% instead.

70.7704, 65.4596,
101.0004

70.7704, 65.4596,
101.0004

452.4747,
444.4417, 584.6694

52.4367, 47.8339,
76.5147

119.3270,
112.7104, 164.5951

37.5790, 33.6953,
56.3455

150.2807,
143.1042, 204.5413

25.8318, 22.6596,
40.0742

186.1717,
178.5228, 250.4780

16.8299, 14.3424,
27.2821

227.3655,
219.3506, 302.8239

10.2078, 8.3592,
17.5509

274.2273,
265.9720, 361.9974

5.6003, 4.3256,
10.4620

327.1225,

2.6419, 1.8573,

318.7714, 428.4171

5.5967

386.4166,
378.1332, 502.5016

■ 0.9674, 0.5225,
2.5367

■ 0.0000, 0.0000,
0.8595

■ 70.7704, 65.4596,
101.0004

■ 70.7704, 65.4596,
101.0004

■ 61.8629, 52.8521,
99.0374

■ 80.8831, 80.1224,
103.2986

■ 54.1030, 42.1953,
97.3894

■ 92.2429, 96.9218,
105.9425

■ 47.4373, 33.3879,
96.0407

■ 94.5709, 99.8084,
106.3770

■ 41.8050, 26.3157,
94.9725

■ 37.1391, 20.8516,
94.1638

■ 33.3629, 16.8502,
93.5905

■ 30.3859, 14.1383,
93.2239

■ 28.1098, 12.4614,
93.0202

Harmonies

Analogous

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



64.7426, 65.4596, 111.6974



70.7704, 65.4596, 101.0004



74.6561, 65.4596, 82.9506

Triad

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



70.7704, 65.4596, 101.0004



66.1709, 65.4596, 42.7611



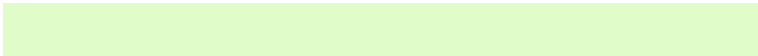
50.9188, 65.4596, 78.6514

Complementary

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



70.7704, 65.4596, 101.0004



76.0958, 89.6868, 68.5621

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.



51.2432, 65.4596, 60.7487



70.7704, 65.4596, 101.0004



59.7587, 65.4596, 42.0118

Square

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



70.7704, 65.4596, 101.0004



71.8776, 65.4596, 50.3011



54.3828, 65.4596, 48.0409



53.4639, 65.4596, 97.3918

Rectangle

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



70.7704, 65.4596, 101.0004



75.3578, 65.4596, 70.2497



54.3828, 65.4596, 48.0409



50.7008, 65.4596, 72.3090

Sweetspot

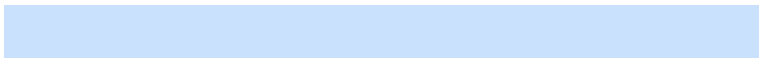
The Sweet Spot groups the original color and five complimentary colors.



70.7724, 65.4624, 101.0018



87.8686, 89.3384, 107.2206



68.5317, 73.1907, 102.6117



18.6463, 18.8841, 22.9122



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.



70.7724, 65.4624, 101.0018



69.1018, 62.1104, 102.9542



78.3358, 69.3924, 99.9557



17.1940, 17.1126, 21.7821



14.8149, 6.5800, 48.4628



1.4942, 0.6724, 4.4942

Inverse Universe

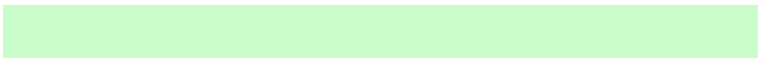
The Inverse Universe completely reimagines the original color for something new.



74.4883, 67.8534, 79.6952



73.5920, 64.9965, 77.3541



69.6439, 86.3375, 69.3100



17.5700, 17.3554, 19.5916



22.5557, 11.4380, 9.6349



2.1417, 1.0804, 1.1694

Previews

White Background



This preview shows how the XYZ color 70.7704, 65.4596, 101.0004 looks on a white background.

Color Contrast Check

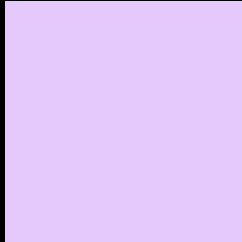
Large Text (above 18pt) WCAG AA × Fail

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 70.7704, 65.4596, 101.0004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

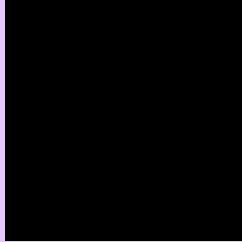
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.7704, 65.4596, 101.0004

Background



This preview shows how black text looks on a background with the XYZ color 70.7704, 65.4596, 101.0004.

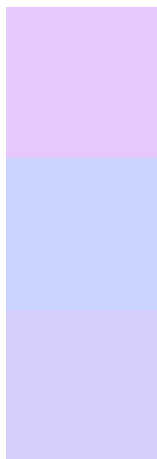


This preview shows how white text looks on a background with the XYZ color 70.7704, 65.4596,

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

70.7704, 65.4596, 101.0004

Protanopia

65.4537, 65.8697, 103.8721

Deuteranopia

67.1660, 65.7368, 100.4152



Tritanopia

65.9966, 65.2638, 78.2260

Trichromacy



Original Color

70.7704, 65.4596, 101.0004

Protanomaly

67.3536, 65.7785, 102.9125

Deuteranomaly

68.4573, 65.6877, 100.3377

Tritanomaly

67.6649, 65.2377, 86.1166

Monochromacy



Original Color

70.7704, 65.4596, 101.0004

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.5654, 66.9103, 82.8054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.7704, 65.4596, 101.0004 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, 201, 252)` looks like.

```
.text, #text, p{  
    color:rgb(229, 201, 252)  
}
```

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, 201, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 201, 252) }
```

Border

The CSS property to change the border of an element to XYZ 70.7704, 65.4596, 101.0004 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, 201, 252) }
```


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

```
.border{ border-color:rgb(229, 201, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 201, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 201, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 201, 252);  
box-shadow:4px 4px 4px 4px rgb(229, 201,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 70.7704, 65.4596, 101.0004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 201, 252) }
```

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

```
.background{ background-color: rgb(229,  
201, 252) }
```

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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