

Converting Colors

XYZ(71.1180, 69.4969,
101.7313)

Have a look what the booklet for
XYZ(71.1180, 69.4969, 101.7313)
contains.

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Color

**XYZ(71.2384, 69.6448,
101.7836)**

Conversions

Conversions Part 1

Format	Color
Hex	DED4FC
RGB	222, 212, 252
RGB Percent	87%, 83%, 99%
CMY	0.1294, 0.1686, 0.0118
CMYK	0.12, 0.16, 0.00, 0.01
HSL	255°, 87%, 91%
HSV	255°, 16%, 99%
XYZ	71.2384, 69.6448, 101.7836
YIQ	219.5500, -6.8800, 14.5600

Conversions

Conversions Part 2

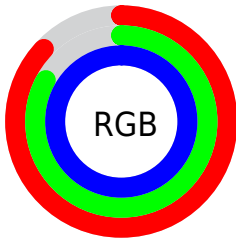
Format	Color
R _Y B	222, 212, 252
Decimal	14603516
CIE Lab	86.82, 10.98, -18.28
CIE LCh	87, 21.320, 301.000
Yxy	69.6448, 0.2936, 0.2870
Android (android.graphics.Color)	4292793596 (0xFFDED4FC)
YUV	219.5500, 15.9978, 2.1486
Hunter-Lab	83.4535, 6.3294, -13.8953

Details

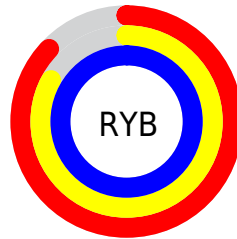
The XYZ color **71.2384, 69.6448, 101.7836** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.3143, 93.2533, 75.8991**, and the grayscale version is **67.6114, 71.1325, 77.4633**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8436, 36.2696, 56.6359** is the 20% darker color. If you saturate the color by 10%, you get **59.9560, 55.1969, 99.5906**, and if you desaturate by 10%, it is **84.1571, 86.3993, 104.3377**.

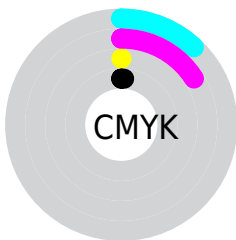
Distribution



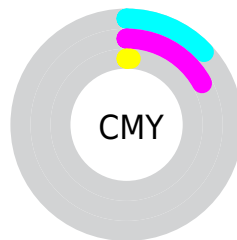
- Red (87%)
- Green (83%)
- Blue (99%)



- Red (87%)
- Yellow (83%)
- Blue (99%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (17%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2384, 69.6448, 101.7836 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 71.2384, 69.6448, 101.7836 by changing the saturation by 10% instead.

71.2384, 69.6448,
101.7836

71.2384, 69.6448,
101.7836

454.0853,
459.3018, 587.1915

52.8200, 51.2370,
77.1658

119.9898,
118.7021, 165.6793

37.8860, 36.3973,
56.8766

151.0535,
150.1204, 205.7943

26.0710, 24.7412,
40.4974

187.0630,
186.6443, 251.9120

17.0097, 15.8843,
27.6099

228.3837,
228.6582, 304.4511

10.3368, 9.4423,
17.7953

275.3809,
276.5465, 363.8300

5.6868, 5.0308,
10.6352

328.4200,

2.6944, 2.2654,

330.6936, 430.4674

5.7110

387.8663,
391.4839, 504.7817

■ 0.9943, 0.7553,
2.6043

■ 0.0000, 0.0000,
0.8946

■ 71.2384, 69.6448,
101.7836

■ 71.2384, 69.6448,
101.7836

■ 59.9560, 55.1969,
99.5906

■ 84.1571, 86.3993,
104.3377

■ 50.2369, 42.9450,
97.7380

94.5709, 99.8084,
106.3771

■ 42.0115, 32.7823,
96.2099

■ 35.2026, 24.5894,
94.9874

■ 29.7256, 18.2349,
94.0495

■ 25.4863, 13.5706,
93.3727

■ 22.3767, 10.4247,
92.9294

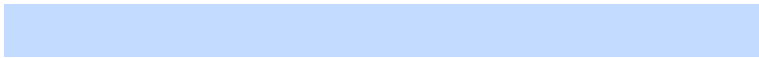
■ 20.2673, 8.5861,
92.6856

■ 19.6202, 8.0848,
92.6230

Harmonies

Analogous

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



66.3621, 69.6448, 106.6078



71.2384, 69.6448, 101.7836



74.9071, 69.6448, 89.8839

Triad

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



71.2384, 69.6448, 101.7836



70.9356, 69.6448, 54.3310



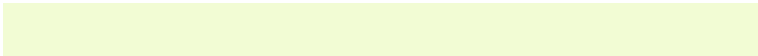
57.0957, 69.6448, 76.3098

Complementary

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



71.2384, 69.6448, 101.7836



83.3143, 93.2533, 75.8991

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.



58.1866, 69.6448, 63.3255



71.2384, 69.6448, 101.7836



66.0287, 69.6448, 51.6336

Square

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



71.2384, 69.6448, 101.7836



74.7262, 69.6448, 62.5951



61.3960, 69.6448, 54.7142



58.3397, 69.6448, 90.8133

Rectangle

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



71.2384, 69.6448, 101.7836



76.0862, 69.6448, 80.1924



61.3960, 69.6448, 54.7142



57.2010, 69.6448, 71.6313

Sweetspot

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



71.2405, 69.6477, 101.7851



87.6854, 90.3644, 107.4283



76.6752, 84.9293, 104.4483



18.5543, 19.0625, 22.9515



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.



71.2405, 69.6477, 101.7851



69.3654, 66.6354, 103.8137



77.5059, 72.8776, 102.0784



16.6895, 16.8526, 21.7585



10.3328, 4.2694, 48.2530



1.0496, 0.4432, 4.4734

Inverse Universe

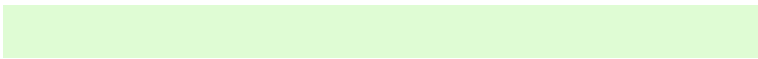
The Inverse Universe completely reimagines the original color for something new.



79.7176, 74.1961, 94.1271



79.6049, 72.1323, 94.4337



77.0251, 90.0111, 75.6048



17.7968, 17.4461, 20.7856



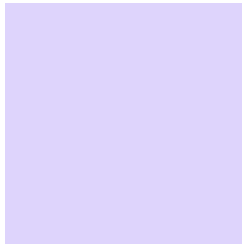
25.7593, 12.7195, 26.5049



2.4280, 1.1949, 2.6774

Previews

White Background



This preview shows how the XYZ color 71.2384, 69.6448, 101.7836 looks on a white background.

Color Contrast Check

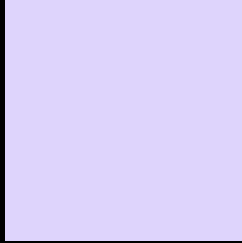
Large Text (above 18pt) WCAG AA × Fail

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 71.2384, 69.6448, 101.7836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

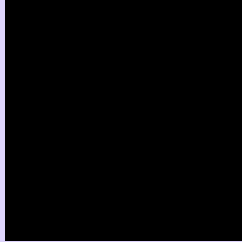
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.2384, 69.6448, 101.7836

Background



This preview shows how black text looks on a background with the XYZ color 71.2384, 69.6448, 101.7836.

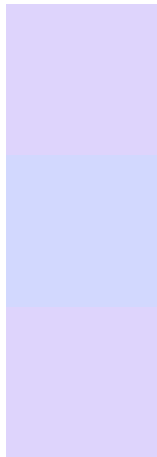


This preview shows how white text looks on a background with the XYZ color 71.2384, 69.6448,

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

71.2384, 69.6448, 101.7836

Protanopia

69.0236, 69.9691, 103.6334

Deuteranopia

71.2384, 69.6448, 101.7836



Tritanopia

68.0793, 69.4871, 86.1681

Trichromacy



Original Color

71.2384, 69.6448, 101.7836

Protanomaly

69.7616, 69.9889, 102.7609

Deuteranomaly

71.2384, 69.6448, 101.7836

Tritanomaly

69.1418, 69.5408, 91.4399

Monochromacy



Original Color

71.2384, 69.6448, 101.7836

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

69.1971, 70.8241, 86.3673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2384, 69.6448, 101.7836 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(222, 212, 252)` looks like.

```
.text, #text, p{  
    color:rgb(222, 212, 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(222, 212, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 212, 252) }
```

Border

The CSS property to change the border of an element to XYZ 71.2384, 69.6448, 101.7836 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(222, 212, 252) }
```


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

```
.border{ border-color:rgb(222, 212, 252) }
```

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

Here you see how a box with a 4 pixel rgb(222, 212, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 212, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 212, 252);  
box-shadow:4px 4px 4px 4px rgb(222, 212,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2384, 69.6448, 101.7836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 212, 252) }
```

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

```
.background{ background-color: rgb(222,  
212, 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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