

Converting Colors

XYZ(81.8054, 70.9286,
168.5702)

Have a look what the booklet for
XYZ(81.8054, 70.9286, 168.5702)
contains.

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Color

**XYZ(69.7001, 66.2548,
103.7226)**

Conversions

Conversions Part 1

Format	Color
Hex	DDCDFF
RGB	221, 205, 255
RGB Percent	87%, 80%, 100%
CMY	0.1333, 0.1961, 0.0000
CMYK	0.13, 0.20, 0.00, 0.00
HSL	259°, 100%, 90%
HSV	259°, 20%, 100%
XYZ	69.7001, 66.2548, 103.7226
YIQ	215.4840, -6.5140, 18.9420

Conversions

Conversions Part 2

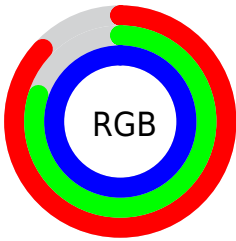
Format	Color
R_{YB}	221, 205, 255
Decimal	14536191
CIE _{Lab}	85.13, 15.00, -22.43
CIE _{LCh}	85, 26.986, 303.766
Yxy	66.2548, 0.2908, 0.2764
Android (android.graphics.Color)	4292726271 (0xFFDDCDFF)
YUV	215.4840, 19.4814, 4.8375
Hunter-Lab	81.3971, 10.4043, -18.5741

Details

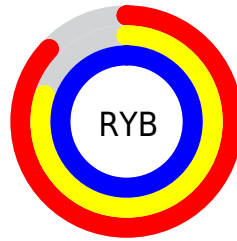
The XYZ color **69.7001, 66.2548, 103.7226** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.3775, 94.2792, 71.6166**, and the grayscale version is **64.7962, 68.1706, 74.2378**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9855, 34.3174, 58.1007** is the 20% darker color. If you saturate the color by 10%, you get **59.0807, 52.4526, 101.6182**, and if you desaturate by 10%, it is **81.8626, 82.3316, 106.1847**.

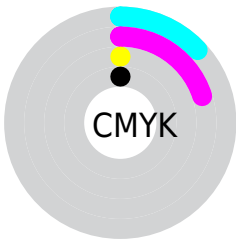
Distribution



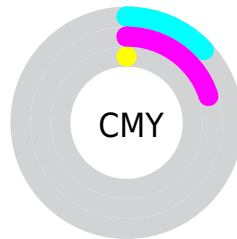
- Red (87%)
- Green (80%)
- Blue (100%)



- Red (87%)
- Yellow (80%)
- Blue (100%)



- Cyan (13%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7001, 66.2548, 103.7226 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 69.7001, 66.2548, 103.7226 by changing the saturation by 10% instead.

69.7001, 66.2548,
103.7226

69.7001, 66.2548,
103.7226

448.7792,
447.2876, 593.4112

51.5608, 48.4793,
78.7789

117.8096,
113.8520, 168.3599

36.8780, 34.2066,
58.1938

148.5105,
144.4424, 208.8906

25.2863, 23.0524,
41.5487

184.1292,
180.0732, 255.4540

16.4203, 14.6322,
28.4252

225.0313,
221.1289, 308.4687

9.9148, 8.5616,
18.4046

271.5819,
267.9938, 368.3532

5.4043, 4.4564,
11.0684

324.1466,

2.5236, 1.9320,

321.0522, 435.5261

5.9981

383.0905,
380.6887, 510.4059

■ 0.9072, 0.5675,
2.7752

■ 0.0000, 0.0000,
0.9810

■ 69.7001, 66.2548,
103.7226

■ 69.7001, 66.2548,
103.7226

■ 59.0807, 52.4526,
101.6182

■ 81.8626, 82.3316,
106.1847

■ 49.9342, 40.8122,
99.8535

95.0500, 100.0000,
108.9000

■ 42.1932, 31.2233,
98.4106

■ 35.7824, 23.5622,
97.2698

■ 30.6187, 17.6917,
96.4088

■ 26.6088, 13.4555,
95.8025

■ 23.6441, 10.6690,
95.4209

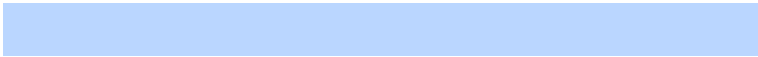
■ 21.5648, 9.0481,
95.2176

■ 21.4945, 8.9957,
95.2112

Harmonies

Analogous

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



63.7446, 66.2548, 110.9919



69.7001, 66.2548, 103.7226



74.0578, 66.2548, 87.9829

Triad

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



69.7001, 66.2548, 103.7226



68.2860, 66.2548, 46.0725



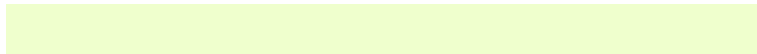
52.0086, 66.2548, 74.3628

Complementary

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



69.7001, 66.2548, 103.7226



82.3775, 94.2792, 71.6166

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.



53.0538, 66.2548, 58.3235



69.7001, 66.2548, 103.7226



62.2081, 66.2548, 43.6125

Square

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



69.7001, 66.2548, 103.7226



73.2052, 66.2548, 55.0785



56.6937, 66.2548, 47.7235



53.7420, 66.2548, 92.4051

Rectangle

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



69.7001, 66.2548, 103.7226



75.3302, 66.2548, 75.8390



56.6937, 66.2548, 47.7235



52.0473, 66.2548, 68.5637

Sweetspot

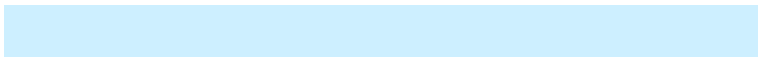
The Sweet Spot groups the original color and five complimentary colors.



69.7020, 66.2575, 103.7230



86.6371, 88.7035, 107.1630



74.1440, 82.0314, 106.5336



18.3555, 18.7342, 22.8986



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.



69.7020, 66.2575, 103.7230



64.8490, 59.9180, 102.7552



77.8304, 70.4478, 104.1034



17.5501, 17.6598, 22.7336



11.3681, 4.7709, 49.7563



1.2150, 0.5203, 4.8497

Inverse Universe

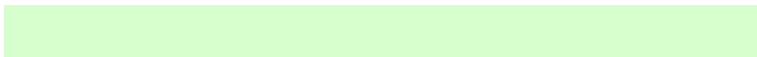
The Inverse Universe completely reimagines the original color for something new.



78.6529, 71.1571, 91.2526



75.5431, 65.7769, 87.6284



74.5614, 90.2498, 71.2508



18.5308, 18.1957, 21.4126



25.5817, 12.7220, 22.2454



2.5407, 1.2586, 2.4285

Previews

White Background



This preview shows how the XYZ color 69.7001, 66.2548, 103.7226 looks on a white background.

Color Contrast Check

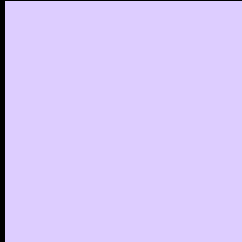
Large Text (above 18pt) WCAG AA × Fail

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 69.7001, 66.2548, 103.7226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

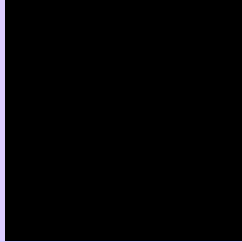
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7001, 66.2548, 103.7226

Background



This preview shows how black text looks on a background with the XYZ color 69.7001, 66.2548, 103.7226.

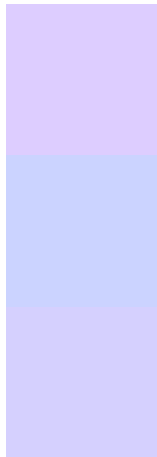


This preview shows how white text looks on a background with the XYZ color 69.7001, 66.2548,

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

69.7001, 66.2548, 103.7226

Protanopia

65.9729, 66.5050, 103.9674

Deuteranopia

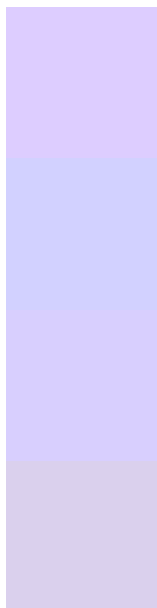
67.8858, 66.4136, 103.0071



Tritanopia

65.2306, 66.2382, 82.0203

Trichromacy



Original Color

69.7001, 66.2548, 103.7226

Protanomaly

67.4288, 66.5226, 103.8940

Deuteranomaly

68.5211, 66.3803, 102.9672

Tritanomaly

66.7554, 66.1316, 89.3671

Monochromacy



Original Color

69.7001, 66.2548, 103.7226

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.1925, 67.0534, 84.3168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7001, 66.2548, 103.7226 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(221, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 205, 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(221, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 205, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.7001, 66.2548, 103.7226 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(221, 205, 255) }
```


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

```
.border{ border-color:rgb(221, 205, 255) }
```

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

Here you see how a box with a 4 pixel rgb(221, 205, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 205,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7001, 66.2548, 103.7226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 205, 255) }
```

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

```
.background{ background-color: rgb(221,  
205, 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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