

Converting Colors

XYZ(69.9835, 66.0482,
103.6678)

Have a look what the booklet for
XYZ(69.9835, 66.0482, 103.6678)
contains.

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Color

**XYZ(70.0743, 66.0937,
103.6718)**

Conversions

Conversions Part 1

Format	Color
Hex	DFCCFF
RGB	223, 204, 255
RGB Percent	87%, 80%, 100%
CMY	0.1255, 0.2000, 0.0000
CMYK	0.13, 0.20, 0.00, 0.00
HSL	262°, 100%, 90%
HSV	262°, 20%, 100%
XYZ	70.0743, 66.0937, 103.6718
YIQ	215.4950, -5.0470, 19.8890

Conversions

Conversions Part 2

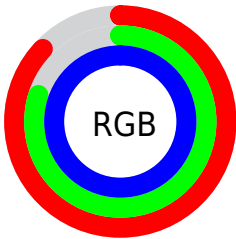
Format	Color
R _Y B	223, 204, 255
Decimal	14667007
CIE Lab	85.04, 16.16, -22.54
CIE LCh	85, 27.735, 305.631
Yxy	66.0937, 0.2922, 0.2756
Android (android.graphics.Color)	4292857087 (0xFFDFCCFF)
YUV	215.4950, 19.4760, 6.5819
Hunter-Lab	81.2980, 11.5853, -18.6984

Details

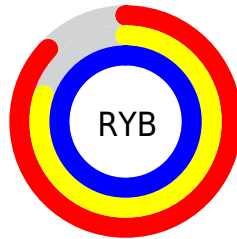
The XYZ color **70.0743, 66.0937, 103.6718** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.2526, 93.7132, 70.9358**, and the grayscale version is **64.8029, 68.1777, 74.2456**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0357, 34.1054, 58.0571** is the 20% darker color. If you saturate the color by 10%, you get **59.8037, 52.5277, 101.5946**, and if you desaturate by 10%, it is **81.8067, 81.8896, 106.1023**.

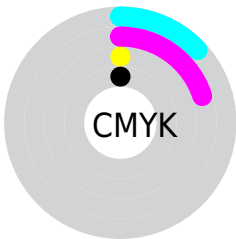
Distribution



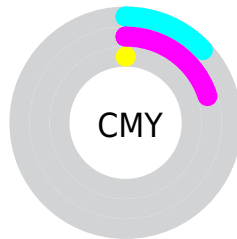
- Red (87%)
- Green (80%)
- Blue (100%)



- 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 70.0743, 66.0937, 103.6718 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 70.0743, 66.0937, 103.6718 by changing the saturation by 10% instead.

70.0743, 66.0937,
103.6718

70.0743, 66.0937,
103.6718

450.0732,
446.7119, 593.2487

51.8669, 48.3485,
78.7366

118.3404,
113.6208, 168.2897

37.1229, 34.1029,
58.1593

149.1298,
144.1715, 208.8095

25.4767, 22.9727,
41.5211

184.8440,
179.7594, 255.3613

16.5632, 14.5733,
28.4038

225.8482,
220.7690, 308.3636

10.0169, 8.5205,
18.3886

272.5079,
267.5847, 368.2350

5.4725, 4.4298,
11.0570

325.1884,

2.5647, 1.9168,

320.5908, 435.3939

5.9905

384.2550,
380.1717, 510.2590

■ 0.9280, 0.5584,
2.7706

■ 0.0000, 0.0000,
0.9787

■ 70.0743, 66.0937,
103.6718

■ 70.0743, 66.0937,
103.6718

■ 59.8037, 52.5277,
101.5946

■ 81.8067, 81.8896,
106.1023

■ 50.9283, 41.0806,
99.8529

95.0500, 100.0000,
108.9000

■ 43.3842, 31.6436,
98.4290

■ 37.1001, 24.0947,
97.3031

■ 31.9972, 18.2984,
96.4533

■ 27.9865, 14.1001,
95.8543

■ 24.9640, 11.3165,
95.4763

■ 22.7693, 9.6530,
95.2709

■ 22.7689, 9.6527,
95.2708

Harmonies

Analogous

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



64.0051, 66.0937, 111.8755



70.0743, 66.0937, 103.6718



74.3987, 66.0937, 87.0985

Triad

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



70.0743, 66.0937, 103.6718



67.9032, 66.0937, 44.9768



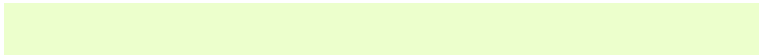
51.6175, 66.0937, 75.3905

Complementary

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



70.0743, 66.0937, 103.6718



81.2526, 93.7132, 70.9358

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.



52.5098, 66.0937, 58.6943



70.0743, 66.0937, 103.6718



61.6497, 66.0937, 42.8927

Square

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



70.0743, 66.0937, 103.6718



73.0882, 66.0937, 53.7410



56.0846, 66.0937, 47.4876



53.5617, 66.0937, 93.9028

Rectangle

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



70.0743, 66.0937, 103.6718



75.5625, 66.0937, 74.6148



56.0846, 66.0937, 47.4876



51.5973, 66.0937, 69.3783

Sweetspot

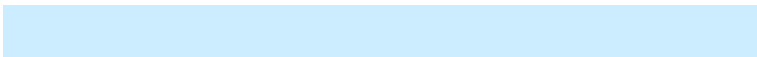
The Sweet Spot groups the original color and five complimentary colors.



70.0762, 66.0964, 103.6722



86.9177, 88.8481, 107.1761



73.0356, 80.2229, 106.2429



18.4217, 18.7684, 22.9017



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.



70.0762, 66.0964, 103.6722



65.7936, 60.4050, 102.7994



78.4266, 70.4012, 104.0630



17.6422, 17.7073, 22.7380



12.0482, 5.1216, 49.7881



1.2891, 0.5585, 4.8531

Inverse Universe

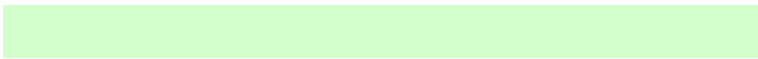
The Inverse Universe completely reimagines the original color for something new.



77.9747, 70.5043, 88.8578



75.0813, 65.5922, 85.1969



73.4676, 89.6998, 70.5714



18.4888, 18.1789, 21.1914



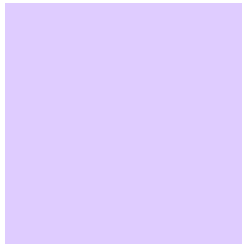
24.9391, 12.4649, 18.8617



2.4811, 1.2348, 2.1151

Previews

White Background



This preview shows how the XYZ color 70.0743, 66.0937, 103.6718 looks on a white background.

Color Contrast Check

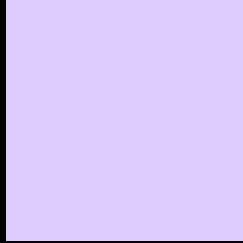
Large Text (above 18pt) WCAG AA × Fail

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 70.0743, 66.0937, 103.6718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

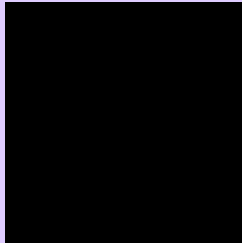
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0743, 66.0937, 103.6718

Background



This preview shows how black text looks on a background with the XYZ color 70.0743, 66.0937, 103.6718.

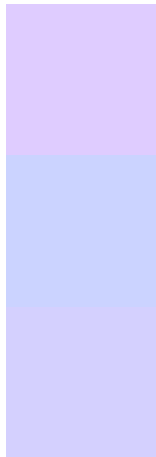


This preview shows how white text looks on a background with the XYZ color 70.0743, 66.0937,

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

70.0743, 66.0937, 103.6718

Protanopia

65.9729, 66.5050, 103.9674

Deuteranopia

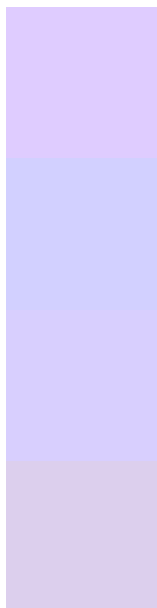
67.5966, 66.2646, 102.9935



Tritanopia

65.4414, 65.9973, 81.2411

Trichromacy



Original Color

70.0743, 66.0937, 103.6718

Protanomaly

67.1842, 66.0334, 103.8125

Deuteranomaly

68.5211, 66.3803, 102.9672

Tritanomaly

67.1141, 65.9557, 89.3142

Monochromacy



Original Color

70.0743, 66.0937, 103.6718

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.4906, 67.2071, 84.3308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0743, 66.0937, 103.6718 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(223, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.0743, 66.0937, 103.6718 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(223, 204, 255) }
```


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

```
.border{ border-color:rgb(223, 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(223, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0743, 66.0937, 103.6718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 204, 255) }
```

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

```
.background{ background-color: rgb(223,  
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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