

Converting Colors

XYZ(69.8487, 67.4204,
100.1929)

Have a look what the booklet for
XYZ(69.8487, 67.4204, 100.1929)
contains.

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Color

**XYZ(70.0927, 67.6064,
100.6218)**

Conversions

Conversions Part 1

Format	Color
Hex	DED0FB
RGB	222, 208, 251
RGB Percent	87%, 82%, 98%
CMY	0.1294, 0.1843, 0.0157
CMYK	0.12, 0.17, 0.00, 0.02
HSL	260°, 84%, 90%
HSV	260°, 17%, 98%
XYZ	70.0927, 67.6064, 100.6218
YIQ	217.0880, -5.4590, 16.3410

Conversions

Conversions Part 2

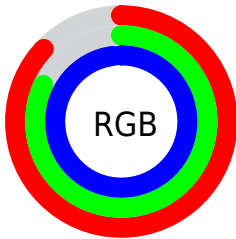
Format	Color
R _Y B	222, 208, 251
Decimal	14602491
CIE Lab	85.81, 12.90, -19.28
CIE LCh	86, 23.193, 303.792
Yxy	67.6064, 0.2941, 0.2837
Android (android.graphics.Color)	4292792571 (0xFFDED0FB)
YUV	217.0880, 16.7186, 4.3078
Hunter-Lab	82.2231, 8.2754, -15.0009

Details

The XYZ color **70.0927, 67.6064, 100.6218** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.8097, 91.5546, 73.0904**, and the grayscale version is **65.9071, 69.3394, 75.5106**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2296, 35.2217, 55.8752** is the 20% darker color. If you saturate the color by 10%, you get **59.5238, 53.7824, 98.5116**, and if you desaturate by 10%, it is **82.1548, 83.6412, 103.0821**.

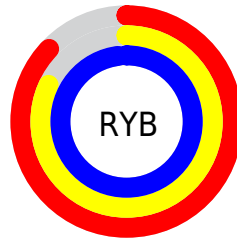
Distribution



Red (87%)

Green (82%)

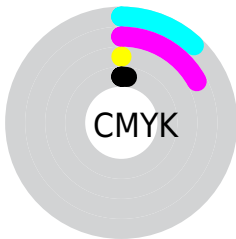
Blue (98%)



Red (87%)

Yellow (82%)

Blue (98%)

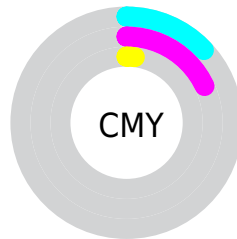


Cyan (12%)

Magenta (17%)

Yellow (0%)

Black (2%)



Cyan (13%)

Magenta (18%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0927, 67.6064, 100.6218 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 70.0927, 67.6064, 100.6218 by changing the saturation by 10% instead.

70.0927, 67.6064,
100.6218

70.0927, 67.6064,
100.6218

450.1368,
452.1002, 583.4481

51.8820, 49.5776,
76.2002

118.3665,
115.7889, 164.0707

37.1349, 35.0779,
56.0890

149.1603,
146.7114, 203.9351

25.4861, 23.7229,
39.8698

184.8791,
182.7005, 249.7841

16.5703, 15.1282,
27.1240

225.8884,
224.1407, 302.0364

10.0220, 8.9094,
17.4331

272.5534,
271.4164, 361.1103

5.4759, 4.6821,
10.3786

325.2396,

2.5667, 2.0620,

324.9120, 427.4246

5.5418

384.3123,
385.0118, 501.3977

■ 0.9290, 0.6431,
2.5043

■ 0.0000, 0.0000,
0.8424

■ 70.0927, 67.6064,
100.6218

■ 70.0927, 67.6064,
100.6218

■ 59.5238, 53.7824,
98.5116

■ 82.1548, 83.6412,
103.0821

■ 50.3811, 42.0620,
96.7312

■ 94.4128, 99.7451,
105.5445

■ 42.6016, 32.3416,
95.2650

■ 36.1149, 24.5052,
94.0943

■ 30.8436, 18.4247,
93.1985

■ 26.7014, 13.9553,
92.5541

■ 23.5887, 10.9279,
92.1338

■ 21.3816, 9.1272,
91.9026

■ 20.8676, 8.7461,
91.8561

Harmonies

Analogous

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



64.9340, 67.6064, 106.7344



70.0927, 67.6064, 100.6218



73.8393, 67.6064, 87.2648

Triad

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



70.0927, 67.6064, 100.6218



68.8633, 67.6064, 50.4133



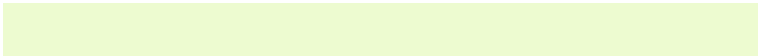
54.6184, 67.6064, 75.5586

Complementary

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



70.0927, 67.6064, 100.6218



80.8097, 91.5546, 73.0904

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.



55.5434, 67.6064, 61.4628



70.0927, 67.6064, 100.6218



63.5864, 67.6064, 48.1665

Square

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



70.0927, 67.6064, 100.6218



73.1025, 67.6064, 58.5465



58.7562, 67.6064, 51.9276



56.1570, 67.6064, 91.0626

Rectangle

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



70.0927, 67.6064, 100.6218



74.9281, 67.6064, 76.8125



58.7562, 67.6064, 51.9276



54.6520, 67.6064, 70.5014

Sweetspot

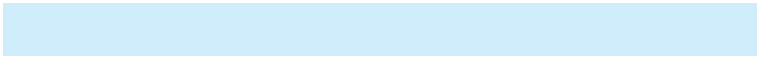
The Sweet Spot groups the original color and five complimentary colors.



70.0948, 67.6092, 100.6233



88.0234, 90.5386, 107.4441



73.8226, 81.1677, 103.0439



18.6362, 19.1047, 22.9553



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.



70.0948, 67.6092, 100.6233



68.2200, 64.2454, 103.4128



76.9729, 71.1551, 100.9452



16.8151, 16.9173, 21.7644



11.1039, 4.6669, 48.2891



1.1346, 0.4870, 4.4774

Inverse Universe

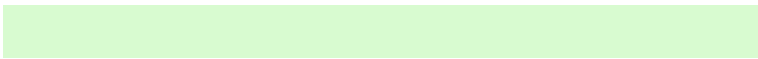
The Inverse Universe completely reimagines the original color for something new.



77.6278, 71.7383, 89.8791



77.6007, 69.3910, 89.8595



74.1690, 88.1313, 72.7796



17.7386, 17.4228, 20.4793



24.7602, 12.3198, 21.2436



2.3419, 1.1605, 2.2238

Previews

White Background



This preview shows how the XYZ color 70.0927, 67.6064, 100.6218 looks on a white background.

Color Contrast Check

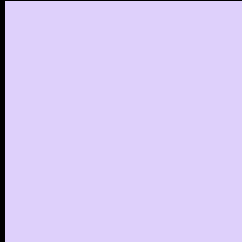
Large Text (above 18pt) WCAG AA × Fail

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 70.0927, 67.6064, 100.6218 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 70.0927, 67.6064, 100.6218

Background



This preview shows how black text looks on a background with the XYZ color 70.0927, 67.6064, 100.6218.

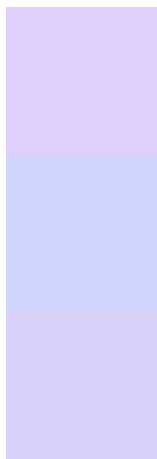


This preview shows how white text looks on a background with the XYZ color 70.0927, 67.6064,

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

70.0927, 67.6064, 100.6218

Protanopia

67.1372, 67.8661, 103.3269

Deuteranopia

69.1265, 67.4714, 100.6467



Tritanopia

66.5998, 67.6495, 83.6762

Trichromacy



Original Color

70.0927, 67.6064, 100.6218

Protanomaly

68.1753, 67.6774, 102.3983

Deuteranomaly

69.4265, 67.6260, 100.6607

Tritanomaly

67.7937, 67.7630, 89.6272

Monochromacy



Original Color

70.0927, 67.6064, 100.6218

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.4028, 68.8103, 83.8580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0927, 67.6064, 100.6218 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, 208, 251)` looks like.

```
.text, #text, p{  
    color:rgb(222, 208, 251)  
}
```

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, 208, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 208, 251) }
```

Border

The CSS property to change the border of an element to XYZ 70.0927, 67.6064, 100.6218 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, 208, 251) }
```


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

```
.border{ border-color:rgb(222, 208, 251) }
```

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

Here you see how a box with a 4 pixel rgb(222, 208, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 208, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 208, 251);  
box-shadow:4px 4px 4px 4px rgb(222, 208,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0927, 67.6064, 100.6218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 208, 251) }
```

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

```
.background{ background-color: rgb(222,  
208, 251) }
```

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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