

Converting Colors

XYZ(72.7565, 68.9137,
117.7948)

Have a look what the booklet for
XYZ(72.7565, 68.9137, 117.7948)
contains.

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Color

**XYZ(70.0639, 67.8810,
104.0173)**

Conversions

Conversions Part 1

Format	Color
Hex	DBD1FF
RGB	219, 209, 255
RGB Percent	86%, 82%, 100%
CMY	0.1412, 0.1804, 0.0000
CMYK	0.14, 0.18, 0.00, 0.00
HSL	253°, 100%, 91%
HSV	253°, 18%, 100%
XYZ	70.0639, 67.8810, 104.0173
YIQ	217.2340, -8.8060, 16.4260

Conversions

Conversions Part 2

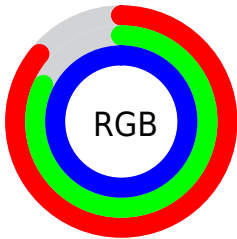
Format	Color
R _Y B	219, 209, 255
Decimal	14406143
CIE Lab	85.95, 12.24, -21.20
CIE LCh	86, 24.486, 300.004
Yxy	67.8810, 0.2896, 0.2805
Android (android.graphics.Color)	4292596223 (0xFFDDBD1FF)
YUV	217.2340, 18.6186, 1.5488
Hunter-Lab	82.3899, 7.6130, -17.1807

Details

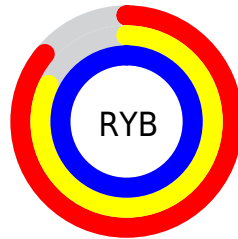
The XYZ color **70.0639, 67.8810, 104.0173** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.9262, 95.5366, 74.2890**, and the grayscale version is **65.9961, 69.4330, 75.6125**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.2242, 35.4124, 58.2994** is the 20% darker color. If you saturate the color by 10%, you get **58.6530, 53.4439, 101.8321**, and if you desaturate by 10%, it is **83.1997, 84.6972, 106.5708**.

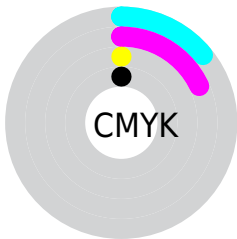
Distribution



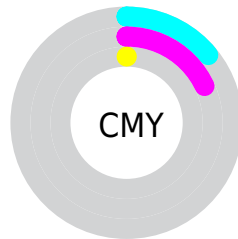
- Red (86%)
- Green (82%)
- Blue (100%)



- Red (86%)
- Yellow (82%)
- Blue (100%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0639, 67.8810, 104.0173 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 70.0639, 67.8810, 104.0173 by changing the saturation by 10% instead.

70.0639, 67.8810,
104.0173

70.0639, 67.8810,
104.0173

450.0373,
453.0743, 594.3535

51.8584, 49.8009,
79.0243

118.3256,
116.1819, 168.7669

37.1160, 35.2552,
58.3943

149.1126,
147.1715, 209.3604

25.4714, 23.8596,
41.7089

184.8241,
183.2331, 255.9913

16.5592, 15.2295,
28.5496

225.8255,
224.7510, 309.0780

10.0141, 8.9806,
18.4977

272.4822,
272.1097, 369.0390

5.4706, 4.7285,
11.1348

325.1595,

2.5635, 2.0889,

325.6936, 436.2929

6.0423

384.2227,
385.8869, 511.2582

■ 0.9274, 0.6584,
2.8016

■ 0.0000, 0.0000,
0.9942

■ 70.0639, 67.8810,
104.0173

■ 70.0639, 67.8810,
104.0173

■ 58.6530, 53.4439,
101.8321

■ 83.1997, 84.6972,
106.5708

■ 48.8884, 41.2696,
99.9969

95.0500, 100.0000,
108.9000

■ 40.6939, 31.2441,
98.4936

■ 33.9847, 23.2403,
97.3024

■ 28.6675, 17.1174,
96.4008

■ 24.6383, 12.7161,
95.7636

■ 21.7768, 9.8495,
95.3611

■ 19.9284, 8.2690,
95.1535

■ 19.6491, 8.0444,
95.1248

Harmonies

Analogous

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



64.5196, 67.8810, 109.3027



70.0639, 67.8810, 104.0173



74.3178, 67.8810, 90.4541

Triad

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



70.0639, 67.8810, 104.0173



70.0626, 67.8810, 50.2570



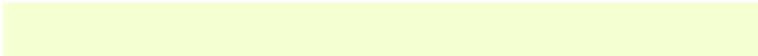
54.3232, 67.8810, 73.9129

Complementary

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



70.0639, 67.8810, 104.0173



84.9262, 95.5366, 74.2890

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.



55.6215, 67.8810, 59.5187



70.0639, 67.8810, 104.0173



64.5182, 67.8810, 47.1252

Square

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



70.0639, 67.8810, 104.0173



74.3170, 67.8810, 59.5157



59.2744, 67.8810, 50.2585



55.6221, 67.8810, 90.4581

Rectangle

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



70.0639, 67.8810, 104.0173



75.7342, 67.8810, 79.4034



59.2744, 67.8810, 50.2585



54.4693, 67.8810, 68.6776

Sweetspot

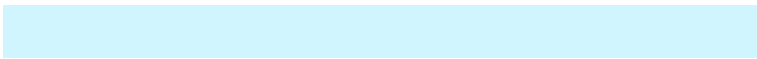
The Sweet Spot groups the original color and five complimentary colors.



70.0658, 67.8837, 104.0177



87.5402, 90.2895, 107.4215



77.0087, 86.1016, 107.1682



18.5191, 19.0444, 22.9498



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.



70.0658, 67.8837, 104.0177



65.3414, 61.8836, 103.1086



77.4586, 71.6949, 104.3637



17.3721, 17.5680, 22.7253



10.3689, 4.2558, 49.7095



1.0972, 0.4595, 4.8441

Inverse Universe

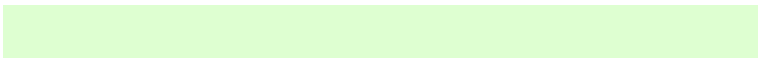
The Inverse Universe completely reimagines the original color for something new.



80.5234, 73.4560, 96.3225



77.7888, 68.5202, 93.7662



77.4047, 91.6591, 73.9370



18.6137, 18.2288, 21.8487



27.0280, 13.3005, 29.8617



2.6715, 1.3110, 3.1178

Previews

White Background



This preview shows how the XYZ color 70.0639, 67.8810, 104.0173 looks on a white background.

Color Contrast Check

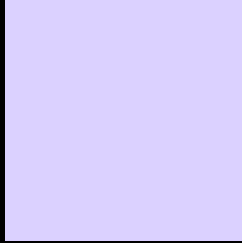
Large Text (above 18pt) WCAG AA × Fail

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 70.0639, 67.8810, 104.0173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

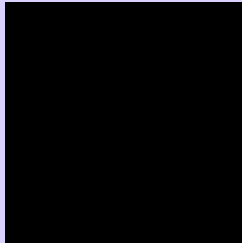
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.0639, 67.8810, 104.0173

Background



This preview shows how black text looks on a background with the XYZ color 70.0639, 67.8810, 104.0173.

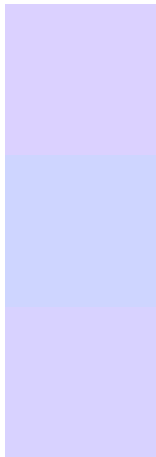


This preview shows how white text looks on a background with the XYZ color 70.0639, 67.8810,

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

70.0639, 67.8810, 104.0173

Protanopia

67.2978, 67.9303, 104.1726

Deuteranopia

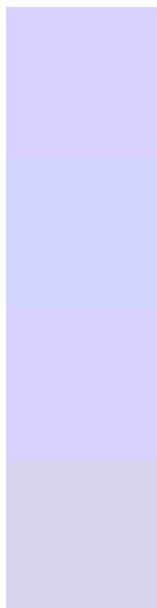
69.4155, 67.9121, 104.0575



Tritanopia

66.1015, 67.7487, 84.4558

Trichromacy



Original Color

70.0639, 67.8810, 104.0173

Protanomaly

68.4575, 68.1559, 104.1550

Deuteranomaly

69.7119, 68.0649, 104.0714

Tritanomaly

67.4424, 67.9179, 91.2162

Monochromacy



Original Color

70.0639, 67.8810, 104.0173

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

67.3838, 68.7681, 85.3234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0639, 67.8810, 104.0173 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(219, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 209, 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(219, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 209, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.0639, 67.8810, 104.0173 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(219, 209, 255) }
```


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

```
.border{ border-color:rgb(219, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 209,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0639, 67.8810, 104.0173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 209, 255) }
```

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

```
.background{ background-color: rgb(219,  
209, 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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