

Converting Colors

XYZ(70.5066, 64.8407,
102.1474)

Have a look what the booklet for
XYZ(70.5066, 64.8407, 102.1474)
contains.

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Color

**XYZ(70.5386, 64.9583,
102.5864)**

Conversions

Conversions Part 1

Format	Color
Hex	E4C8FE
RGB	228, 200, 254
RGB Percent	89%, 78%, 100%
CMY	0.1059, 0.2157, 0.0039
CMYK	0.10, 0.21, 0.00, 0.00
HSL	271°, 96%, 89%
HSV	271°, 21%, 100%
XYZ	70.5386, 64.9583, 102.5864
YIQ	214.5280, -0.6460, 22.7300

Conversions

Conversions Part 2

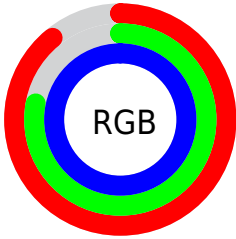
Format	Color
R _Y B	228, 200, 254
Decimal	14993662
CIE Lab	84.46, 19.66, -22.86
CIE LCh	84, 30.150, 310.702
Yxy	64.9583, 0.2963, 0.2728
Android (android.graphics.Color)	4293183742 (0xFFE4C8FE)
YUV	214.5280, 19.4597, 11.8149
Hunter-Lab	80.5967, 15.1797, -19.0488

Details

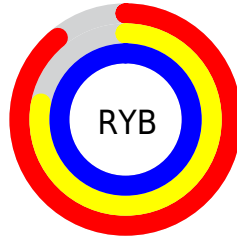
The XYZ color **70.5386, 64.9583, 102.5864** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **77.2334, 91.2242, 68.1840**, and the grayscale version is **64.1472, 67.4879, 73.4943**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3702, 33.3596, 57.2928** is the 20% darker color. If you saturate the color by 10%, you get **61.3944, 52.2264, 100.6119**, and if you desaturate by 10%, it is **80.9386, 79.7915, 104.9024**.

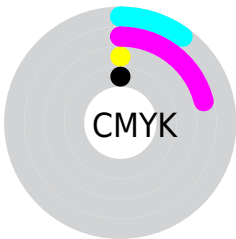
Distribution



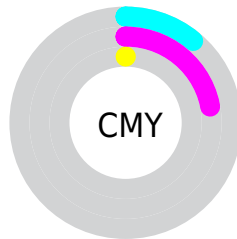
- Red (89%)
- Green (78%)
- Blue (100%)



- Red (89%)
- Yellow (78%)
- Blue (100%)



- Cyan (10%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.5386, 64.9583, 102.5864 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 70.5386, 64.9583, 102.5864 by changing the saturation by 10% instead.

70.5386, 64.9583,
102.5864

70.5386, 64.9583,
102.5864

451.6758,
442.6421, 589.7708

52.2469, 47.4273,
77.8334

118.9986,
111.9899, 166.7898

37.4270, 33.3736,
57.4215

149.8976,
142.2593, 207.0772

25.7135, 22.4128,
40.9321

185.7299,
177.5435, 253.3799

16.7410, 14.1605,
27.9468

226.8606,
218.2271, 306.1164

10.1441, 8.2324,
18.0468

273.6552,
264.6943, 365.7051

5.5576, 4.2440,
10.8138

326.4790,

2.6161, 1.8110,

317.3296, 432.5648

5.8292

385.6975,
376.5174, 507.1138

■ 0.9542, 0.4940,
2.6744

■ 0.0000, 0.0000,
0.9305

■ 70.5386, 64.9583,
102.5864

■ 70.5386, 64.9583,
102.5864

■ 61.3944, 52.2264,
100.6119

■ 80.9386, 79.7915,
104.9024

■ 53.4459, 41.4883,
98.9581

■ 92.6385, 96.8104,
107.5707

■ 46.6372, 32.6391,
97.6089

■ 94.8896, 99.9358,
108.0553

■ 40.9045, 25.5605,
96.5448

■ 36.1775, 20.1208,
95.7439

■ 32.3755, 16.1687,
95.1815

■ 29.4031, 13.5230,
94.8275

■ 27.3585, 12.0372,
94.6485

Harmonies

Analogous

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



64.1669, 64.9583, 113.5816



70.5386, 64.9583, 102.5864



74.7301, 64.9583, 83.6503

Triad

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



70.5386, 64.9583, 102.5864



66.1018, 64.9583, 41.2827



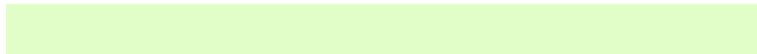
49.9160, 64.9583, 77.8113

Complementary

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



70.5386, 64.9583, 102.5864



77.2334, 91.2242, 68.1840

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.



50.3515, 64.9583, 59.2111



70.5386, 64.9583, 102.5864



59.3769, 64.9583, 40.2901

Square

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



70.5386, 64.9583, 102.5864



72.0430, 64.9583, 49.2734



53.7069, 64.9583, 46.2606



52.4710, 64.9583, 97.6518

Rectangle

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



70.5386, 64.9583, 102.5864



75.5550, 64.9583, 70.2770



53.7069, 64.9583, 46.2606



49.7224, 64.9583, 71.1820

Sweetspot

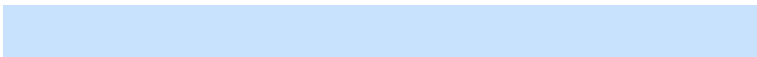
The Sweet Spot groups the original color and five complimentary colors.



70.5406, 64.9610, 102.5878



87.7033, 89.2531, 107.2129



68.9348, 73.8847, 104.3949



18.6072, 18.8640, 22.9104



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.



70.5406, 64.9610, 102.5878



66.6382, 59.1864, 102.5196



79.2747, 69.4802, 102.2460



17.9015, 17.8410, 22.7501



14.5950, 6.4345, 49.9073



1.5473, 0.6916, 4.8652

Inverse Universe

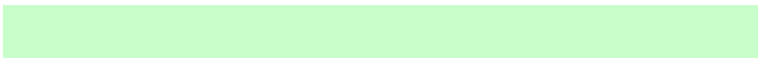
The Inverse Universe completely reimagines the original color for something new.



75.2570, 67.8731, 81.0888



72.3741, 62.7267, 76.4367



69.7944, 87.3770, 68.3866



18.3737, 18.1328, 20.5851



23.4843, 11.8830, 11.2009



2.3415, 1.1790, 1.3795

Previews

White Background



This preview shows how the XYZ color 70.5386, 64.9583, 102.5864 looks on a white background.

Color Contrast Check

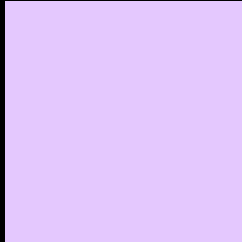
Large Text (above 18pt) WCAG AA × Fail

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 70.5386, 64.9583, 102.5864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

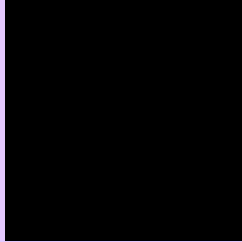
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.5386, 64.9583, 102.5864

Background



This preview shows how black text looks on a background with the XYZ color 70.5386, 64.9583, 102.5864.

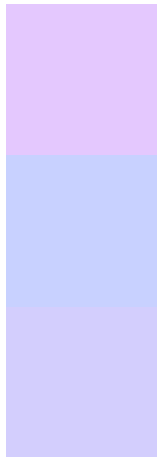


This preview shows how white text looks on a background with the XYZ color 70.5386, 64.9583,

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

70.5386, 64.9583, 102.5864

Protanopia

64.6699, 65.1003, 103.7649

Deuteranopia

66.6649, 65.0833, 101.9772



Tritanopia

65.6875, 65.1045, 78.2116

Trichromacy



Original Color

70.5386, 64.9583, 102.5864

Protanomaly

66.6996, 65.0643, 103.6509

Deuteranomaly

67.9378, 65.0293, 101.8997

Tritanomaly

67.4955, 65.1338, 86.8566

Monochromacy



Original Color

70.5386, 64.9583, 102.5864

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.7047, 66.9660, 83.5388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5386, 64.9583, 102.5864 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(228, 200, 254)` looks like.

```
.text, #text, p{  
    color:rgb(228, 200, 254)  
}
```

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(228, 200, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 200, 254) }
```

Border

The CSS property to change the border of an element to XYZ 70.5386, 64.9583, 102.5864 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(228, 200, 254) }
```


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

```
.border{ border-color:rgb(228, 200, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 200, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 200, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 200, 254);  
box-shadow:4px 4px 4px 4px rgb(228, 200,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5386, 64.9583, 102.5864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 200, 254) }
```

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

```
.background{ background-color: rgb(228,  
200, 254) }
```

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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