

Converting Colors

XYZ(72.1722, 65.8469,
109.9301)

Have a look what the booklet for
XYZ(72.1722, 65.8469, 109.9301)
contains.

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Color

**XYZ(70.9316, 65.4873,
103.5096)**

Conversions

Conversions Part 1

Format	Color
Hex	E4C9FF
RGB	228, 201, 255
RGB Percent	89%, 79%, 100%
CMY	0.1059, 0.2117, 0.0000
CMYK	0.11, 0.21, 0.00, 0.00
HSL	270°, 100%, 89%
HSV	270°, 21%, 100%
XYZ	70.9316, 65.4873, 103.5096
YIQ	215.2290, -1.2420, 22.5180

Conversions

Conversions Part 2

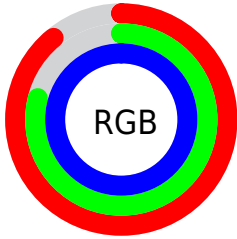
Format	Color
R _Y B	228, 201, 255
Decimal	14993919
CIE Lab	84.73, 19.33, -22.97
CIE LCh	85, 30.024, 310.074
Yxy	65.4873, 0.2956, 0.2729
Android (android.graphics.Color)	4293183999 (0xFFE4C9FF)
YUV	215.2290, 19.6071, 11.2002
Hunter-Lab	80.9242, 14.8412, -19.1905

Details

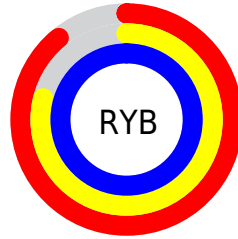
The XYZ color **70.9316, 65.4873, 103.5096** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.2990, 92.2317, 68.9371**, and the grayscale version is **64.6200, 67.9853, 74.0360**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6400, 33.7153, 57.9499** is the 20% darker color. If you saturate the color by 10%, you get **61.5769, 52.5622, 101.5078**, and if you desaturate by 10%, it is **81.5750, 80.5450, 105.8550**.

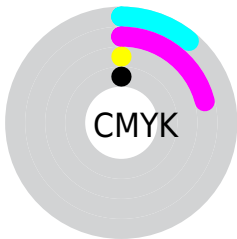
Distribution



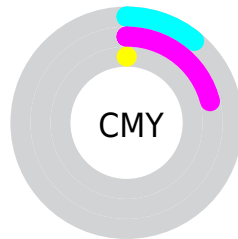
- Red (89%)
- Green (79%)
- Blue (100%)



- Red (89%)
- Yellow (79%)
- Blue (100%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9316, 65.4873, 103.5096 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 70.9316, 65.4873, 103.5096 by changing the saturation by 10% instead.

70.9316, 65.4873,
103.5096

70.9316, 65.4873,
103.5096

453.0298,
444.5410, 592.7296

52.5687, 47.8563,
78.6016

119.5554,
112.7502, 168.0657

37.6847, 33.7131,
58.0489

150.5470,
143.1508, 208.5508

25.9142, 22.6733,
41.4330

186.4788,
178.5768, 255.0655

16.8918, 14.3525,
28.3354

227.7163,
219.4126, 308.0281

10.2522, 8.3662,
18.3374

274.6248,
266.0425, 367.8573

5.6300, 4.3302,
11.0205

327.5697,

2.6600, 1.8599,

318.8510, 434.9716

5.9663

386.9162,
378.2223, 509.7895

■ 0.9766, 0.5241,
2.7561

■ 0.0000, 0.0000,
0.9715

■ 70.9316, 65.4873,
103.5096

■ 70.9316, 65.4873,
103.5096

■ 61.5769, 52.5622,
101.5078

■ 81.5750, 80.5450,
105.8550

■ 53.4504, 41.6610,
99.8320

■ 93.5532, 97.8210,
108.5583

■ 46.4944, 32.6774,
98.4646

95.0500, 100.0000,
108.9000

■ 40.6442, 25.4920,
97.3860

■ 35.8277, 19.9710,
96.5742

■ 31.9630, 15.9617,
96.0040

■ 28.9527, 13.2809,
95.6452

■ 26.8769, 11.7704,
95.4631

Harmonies

Analogous

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



64.5296, 65.4873, 114.2618



70.9316, 65.4873, 103.5096



75.1889, 65.4873, 84.6644

Triad

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



70.9316, 65.4873, 103.5096



66.7488, 65.4873, 41.8834



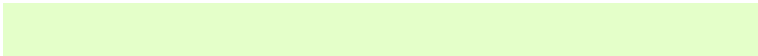
50.3767, 65.4873, 77.9703

Complementary

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



70.9316, 65.4873, 103.5096



78.2990, 92.2317, 68.9371

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.



50.8768, 65.4873, 59.4297



70.9316, 65.4873, 103.5096



60.0124, 65.4873, 40.7411

Square

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



70.9316, 65.4873, 103.5096



72.6562, 65.4873, 50.0496



54.2959, 65.4873, 46.5858



52.8768, 65.4873, 97.8581

Rectangle

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



70.9316, 65.4873, 103.5096



76.0691, 65.4873, 71.2570



54.2959, 65.4873, 46.5858



50.2040, 65.4873, 71.3521

Sweetspot

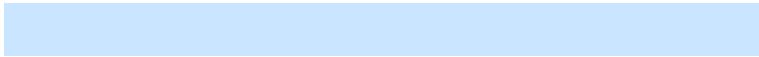
The Sweet Spot groups the original color and five complimentary colors.



70.9334, 65.4900, 103.5100



87.6031, 89.2015, 107.2082



70.1311, 75.6228, 105.5081



18.5835, 18.8518, 22.9093



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.



70.9334, 65.4900, 103.5100



67.2052, 60.2985, 102.7044



79.8475, 70.0853, 103.9271



17.8684, 17.8239, 22.7485



14.2159, 6.2391, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

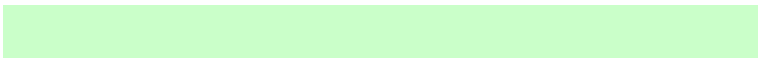
The Inverse Universe completely reimagines the original color for something new.



76.1318, 68.6372, 82.6365



73.2616, 63.9652, 78.3858



70.6346, 88.2806, 68.5784



18.3882, 18.1386, 20.6613



23.6429, 11.9465, 12.0360



2.3571, 1.1852, 1.4622

Previews

White Background



This preview shows how the XYZ color 70.9316, 65.4873, 103.5096 looks on a white background.

Color Contrast Check

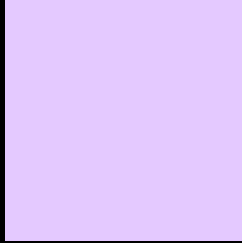
Large Text (above 18pt) WCAG AA × Fail

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 70.9316, 65.4873, 103.5096 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 70.9316, 65.4873, 103.5096

Background



This preview shows how black text looks on a background with the XYZ color 70.9316, 65.4873, 103.5096.

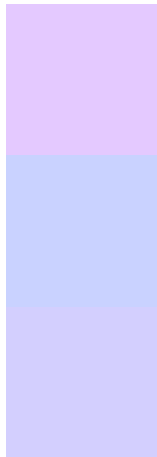


This preview shows how white text looks on a background with the XYZ color 70.9316, 65.4873,

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

70.9316, 65.4873, 103.5096

Protanopia

65.1840, 65.7307, 103.8595

Deuteranopia

67.0662, 65.6303, 102.8991



Tritanopia

66.0635, 65.6413, 79.0002

Trichromacy



Original Color

70.9316, 65.4873, 103.5096

Protanomaly

67.2268, 65.6945, 103.7448

Deuteranomaly

68.3360, 65.5701, 102.8205

Tritanomaly

67.8781, 65.6684, 87.6950

Monochromacy



Original Color

70.9316, 65.4873, 103.5096

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

66.8447, 67.0220, 84.2764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9316, 65.4873, 103.5096 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 201, 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(228, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 201, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.9316, 65.4873, 103.5096 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, 201, 255) }
```


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

```
.border{ border-color:rgb(228, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 201,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9316, 65.4873, 103.5096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 201, 255) }
```

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

```
.background{ background-color: rgb(228,  
201, 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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