

Converting Colors

XYZ(70.9614, 64.4766,
103.3129)

Have a look what the booklet for
XYZ(70.9614, 64.4766, 103.3129)
contains.

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Color

**XYZ(70.8772, 64.4312,
103.3086)**

Conversions

Conversions Part 1

Format	Color
Hex	E6C6FF
RGB	230, 198, 255
RGB Percent	90%, 78%, 100%
CMY	0.0980, 0.2235, 0.0000
CMYK	0.10, 0.22, 0.00, 0.00
HSL	274°, 100%, 89%
HSV	274°, 22%, 100%
XYZ	70.8772, 64.4312, 103.3086
YIQ	214.0660, 0.7750, 24.5110

Conversions

Conversions Part 2

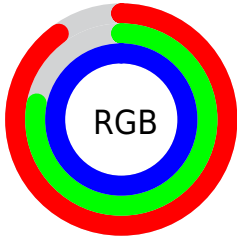
Format	Color
R _Y B	230, 198, 255
Decimal	15124223
CIE _{Lab}	84.19, 21.56, -23.79
CIE _{LCh}	84, 32.103, 312.189
Y _{xy}	64.4312, 0.2970, 0.2700
Android (android.graphics.Color)	4293314303 (0xFFE6C6FF)
Y _{UV}	214.0660, 20.1805, 13.9741
Hunter-Lab	80.2690, 17.1438, -20.1196

Details

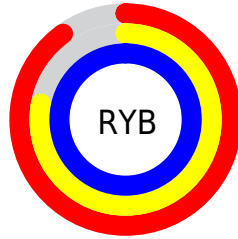
The XYZ color **70.8772, 64.4312, 103.3086** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.3860, 91.2859, 67.0232**, and the grayscale version is **63.8307, 67.1549, 73.1317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.6219, 33.0224, 57.8172** is the 20% darker color. If you saturate the color by 10%, you get **62.0574, 51.9495, 101.3642**, and if you desaturate by 10%, it is **80.9121, 78.9993, 105.5916**.

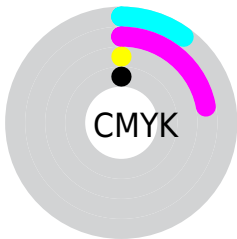
Distribution



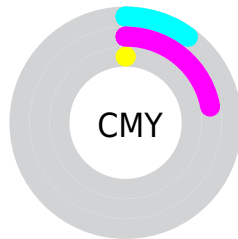
- Red (90%)
- Green (78%)
- Blue (100%)



- Red (90%)
- Yellow (78%)
- Blue (100%)



- Cyan (10%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (10%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.8772, 64.4312, 103.3086 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 70.8772, 64.4312, 103.3086 by changing the saturation by 10% instead.


 70.8772, 64.4312,
103.3086

 70.8772, 64.4312,
103.3086


452.8426,
440.7451, 592.0861

 52.5242, 47.0000,
78.4343


119.4783,
111.2317, 167.7880

 37.6490, 33.0357,
57.9123

150.4571,
141.3698, 208.2301

 25.8864, 22.1538,
41.3239


186.3752,
176.5123, 254.6987

 16.8709, 13.9699,
28.2506

227.5980,
217.0437, 307.6122

 10.2372, 8.0998,
18.2740

274.4907,
263.3482, 367.3891

 5.6200, 4.1588,
10.9754

327.4188,

 2.6539, 1.7628,

315.8104, 434.4481

5.9363

386.7477,
374.8146, 509.2075

■ 0.9735, 0.4638,
2.7382

■ 0.0000, 0.0000,
0.9626

■ 70.8772, 64.4312,
103.3086

■ 70.8772, 64.4312,
103.3086

■ 62.0574, 51.9495,
101.3642

■ 80.9121, 78.9993,
105.5916

■ 54.3940, 41.4458,
99.7407

■ 92.2065, 95.7393,
108.2275

■ 47.8309, 32.8139,
98.4205

95.0500, 100.0000,
108.9000

■ 42.3048, 25.9339,
97.3838

■ 37.7454, 20.6717,
96.6084

■ 34.0716, 16.8727,
96.0687

■ 31.1865, 14.3506,
95.7340

■ 29.4048, 13.0736,
95.5814

Harmonies

Analogous

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



64.1689, 64.4312, 115.7513



70.8772, 64.4312, 103.3086



75.1844, 64.4312, 82.8117

Triad

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



70.8772, 64.4312, 103.3086



65.5131, 64.4312, 39.1165



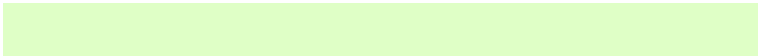
48.8371, 64.4312, 78.7409

Complementary

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



70.8772, 64.4312, 103.3086



76.3860, 91.2859, 67.0232

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.



49.1359, 64.4312, 58.8578



70.8772, 64.4312, 103.3086



58.4015, 64.4312, 38.4476

Square

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



70.8772, 64.4312, 103.3086



71.9266, 64.4312, 47.0293



52.5184, 64.4312, 44.9817



51.6680, 64.4312, 99.8366

Rectangle

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



70.8772, 64.4312, 103.3086



75.9259, 64.4312, 68.6715



52.5184, 64.4312, 44.9817



48.5814, 64.4312, 71.6590

Sweetspot

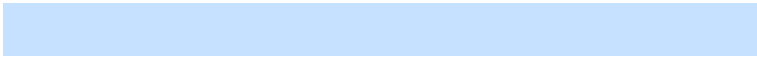
The Sweet Spot groups the original color and five complimentary colors.



70.8790, 64.4338, 103.3090



86.7957, 87.6805, 106.9571



67.9025, 72.3513, 104.9941



18.4319, 18.5509, 22.8592



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.



70.8790, 64.4338, 103.3090



66.6303, 58.3768, 102.3638



79.0298, 68.6883, 101.3132



17.9787, 17.8808, 22.7537



15.5392, 6.9212, 49.9515



1.6385, 0.7386, 4.8695

Inverse Universe

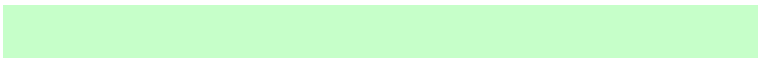
The Inverse Universe completely reimagines the original color for something new.



74.7550, 66.9784, 78.8024



71.2702, 61.4169, 73.3000



69.5756, 87.7367, 68.4367



18.3403, 18.1194, 20.4091



23.1444, 11.7471, 9.4109



2.3073, 1.1653, 1.1995

Previews

White Background



This preview shows how the XYZ color 70.8772, 64.4312, 103.3086 looks on a white background.

Color Contrast Check

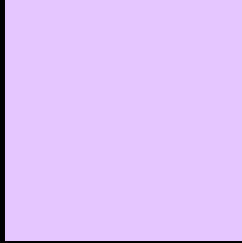
Large Text (above 18pt) WCAG AA × Fail

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 70.8772, 64.4312, 103.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

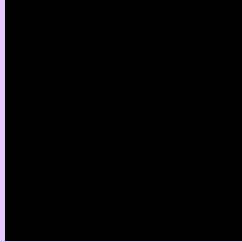
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.8772, 64.4312, 103.3086

Background



This preview shows how black text looks on a background with the XYZ color 70.8772, 64.4312, 103.3086.

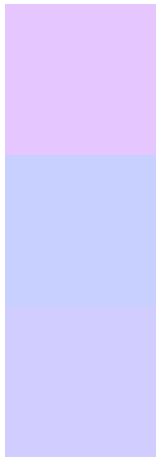


This preview shows how white text looks on a background with the XYZ color 70.8772, 64.4312,

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

70.8772, 64.4312, 103.3086

Protanopia

64.1591, 64.4739, 103.6709

Deuteranopia

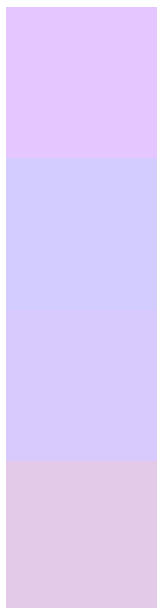
66.0152, 64.3737, 102.7119



Tritanopia

65.5625, 64.3606, 76.6775

Trichromacy



Original Color

70.8772, 64.4312, 103.3086

Protanomaly

66.2212, 64.1074, 103.4915

Deuteranomaly

67.6252, 64.1485, 102.5836

Tritanomaly

67.5071, 64.4551, 85.9739

Monochromacy



Original Color

70.8772, 64.4312, 103.3086

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

66.2139, 65.9845, 83.3752

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8772, 64.4312, 103.3086 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(230, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 198, 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(230, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.8772, 64.4312, 103.3086 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(230, 198, 255) }
```


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

```
.border{ border-color:rgb(230, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8772, 64.4312, 103.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 198, 255) }
```

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

```
.background{ background-color: rgb(230,  
198, 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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