

Converting Colors

XYZ(74.7395, 68.5331,
103.8968)

Have a look what the booklet for
XYZ(74.7395, 68.5331, 103.8968)
contains.

XYZ(74.5679, 68.4103, 103.8821)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.5679, 68.4103,
103.8821)**

Conversions

Conversions Part 1

Format	Color
Hex	EDCCFF
RGB	237, 204, 255
RGB Percent	93%, 80%, 100%
CMY	0.0706, 0.2000, 0.0000
CMYK	0.07, 0.20, 0.00, 0.00
HSL	279°, 100%, 90%
HSV	279°, 20%, 100%
XYZ	74.5679, 68.4103, 103.8821
YIQ	219.6810, 3.2970, 22.8570

Conversions

Conversions Part 2

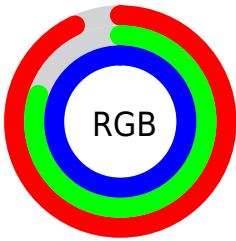
Format	Color
R _Y B	237, 204, 255
Decimal	15584511
CIE Lab	86.21, 20.58, -20.66
CIE LCh	86, 29.166, 314.888
Yxy	68.4103, 0.3021, 0.2771
Android (android.graphics.Color)	4293774591 (0xFFEDCCFF)
YUV	219.6810, 17.4123, 15.1888
Hunter-Lab	82.7105, 16.1838, -16.5692

Details

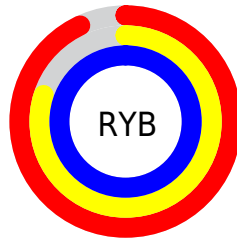
The XYZ color **74.5679, 68.4103, 103.8821** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **76.7850, 91.4100, 70.7270**, and the grayscale version is **67.6879, 71.2130, 77.5509**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1554, 35.7137, 58.2031** is the 20% darker color. If you saturate the color by 10%, you get **66.0666, 55.7566, 101.8877**, and if you desaturate by 10%, it is **84.2160, 83.1319, 106.2151**.

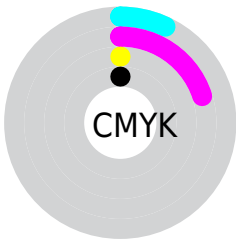
Distribution



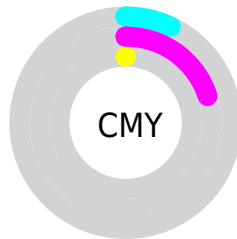
- Red (93%)
- Green (80%)
- Blue (100%)



- Red (93%)
- Yellow (80%)
- Blue (100%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.5679, 68.4103, 103.8821 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 74.5679, 68.4103, 103.8821 by changing the saturation by 10% instead.

74.5679, 68.4103,
103.8821

74.5679, 68.4103,
103.8821

465.4512,
454.9484, 593.9213

55.5519, 50.2316,
78.9117

124.6917,
116.9389, 168.5802

40.0793, 35.5975,
58.3023

156.5302,
148.0576, 209.1449

27.7849, 24.1235,
41.6354

193.3736,
184.2585, 255.7448

18.3032, 15.4252,
28.4925

235.5872,
225.9258, 308.7985

11.2689, 9.1184,
18.4550

283.5364,
273.4441, 368.7244

6.3166, 4.8185,
11.1043

337.5866,

3.0810, 2.1411,

327.1977, 435.9412

6.0220

398.1031,
387.5710, 510.8673

■ 1.1968, 0.6876,
2.7894

■ 0.1038, 0.0000,
0.9882

■ 74.5679, 68.4103,
103.8821

■ 74.5679, 68.4103,
103.8821

■ 66.0666, 55.7566,
101.8877

■ 84.2160, 83.1319,
106.2151

■ 58.6561, 45.0646,
100.2146

95.0500, 100.0000,
108.9000

■ 52.2836, 36.2315,
98.8455

■ 46.8898, 29.1415,
97.7613

■ 42.4081, 23.6655,
96.9405

■ 38.7629, 19.6556,
96.3586

■ 35.8645, 16.9359,
95.9864

■ 33.5674, 15.2196,
95.7762

■ 33.5670, 15.2193,
95.7762

Harmonies

Analogous

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



68.3967, 68.4103, 116.2511



74.5679, 68.4103, 103.8821



78.3028, 68.4103, 84.5509

Triad

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



74.5679, 68.4103, 103.8821



68.4470, 68.4103, 44.1834



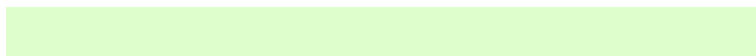
53.3232, 68.4103, 84.3995

Complementary

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



74.5679, 68.4103, 103.8821



76.7850, 91.4100, 70.7270

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.



53.3346, 68.4103, 65.2555



74.5679, 68.4103, 103.8821



61.7601, 68.4103, 44.1571

Square

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



74.5679, 68.4103, 103.8821



74.6069, 68.4103, 51.3166



56.3276, 68.4103, 51.2371



56.2952, 68.4103, 103.7549

Rectangle

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



74.5679, 68.4103, 103.8821



78.7560, 68.4103, 71.3799



56.3276, 68.4103, 51.2371



52.9853, 68.4103, 77.6834

Sweetspot

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



74.5698, 68.4131, 103.8825



88.4030, 89.6139, 107.2456



69.2618, 72.6751, 104.9850



18.7727, 18.9493, 22.9181



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.



74.5698, 68.4131, 103.8825



71.0323, 63.1056, 103.0445



79.8086, 71.2381, 98.5142



18.1341, 17.9609, 22.7610



17.7076, 8.0391, 50.0530



1.8428, 0.8439, 4.8790

Inverse Universe

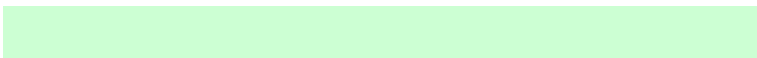
The Inverse Universe completely reimagines the original color for something new.



76.0194, 69.7224, 78.5608



72.8045, 64.6815, 73.2074



72.3967, 89.0515, 74.8726



18.2741, 18.0930, 20.0607



22.5770, 11.5201, 6.4229



2.2478, 1.1415, 0.8864

Previews

White Background



This preview shows how the XYZ color 74.5679, 68.4103, 103.8821 looks on a white background.

Color Contrast Check

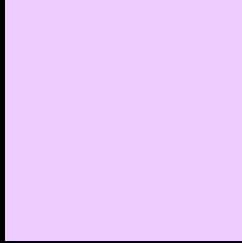
Large Text (above 18pt) WCAG AA × Fail

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 74.5679, 68.4103, 103.8821 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 74.5679, 68.4103, 103.8821

Background



This preview shows how black text looks on a background with the XYZ color 74.5679, 68.4103, 103.8821.

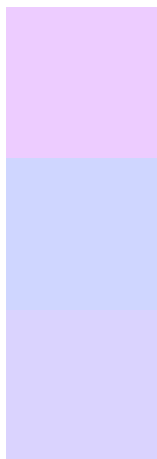


This preview shows how white text looks on a background with the XYZ color 74.5679, 68.4103,

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

74.5679, 68.4103, 103.8821

Protanopia

67.8287, 68.5785, 104.2698

Deuteranopia

70.0971, 68.6497, 103.3221



Tritanopia

69.8066, 68.2477, 81.4454

Trichromacy



Original Color

74.5679, 68.4103, 103.8821

Protanomaly

70.0100, 68.2186, 104.0853

Deuteranomaly

71.4966, 68.2751, 103.1761

Tritanomaly

71.5306, 68.2325, 89.5209

Monochromacy



Original Color

74.5679, 68.4103, 103.8821

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

70.1186, 70.1451, 86.9345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.5679, 68.4103, 103.8821 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(237, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 204, 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(237, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 204, 255) }
```

Border

The CSS property to change the border of an element to XYZ 74.5679, 68.4103, 103.8821 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(237, 204, 255) }
```


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

```
.border{ border-color:rgb(237, 204, 255) }
```

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

Here you see how a box with a 4 pixel rgb(237, 204, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 204,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 74.5679, 68.4103, 103.8821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 204, 255) }
```

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

```
.background{ background-color: rgb(237,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor