

Converting Colors

XYZ(79.1703, 76.7612,
105.2514)

Have a look what the booklet for
XYZ(79.1703, 76.7612, 105.2514)
contains.

XYZ(79.2398, 76.7571, 105.2470)	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(79.2398, 76.7571,
105.2470)**

Conversions

Conversions Part 1

Format	Color
Hex	EFDCFF
RGB	239, 220, 255
RGB Percent	94%, 86%, 100%
CMY	0.0627, 0.1372, 0.0000
CMYK	0.06, 0.14, 0.00, 0.00
HSL	273°, 100%, 93%
HSV	273°, 14%, 100%
XYZ	79.2398, 76.7571, 105.2470
YIQ	229.6710, 0.0890, 14.9130

Conversions

Conversions Part 2

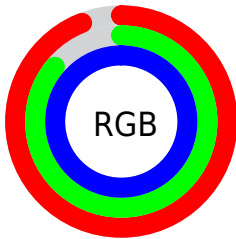
Format	Color
R _Y B	239, 220, 255
Decimal	15719679
CIE Lab	90.21, 12.78, -14.63
CIE LCh	90, 19.428, 311.153
Yxy	76.7571, 0.3033, 0.2938
Android (android.graphics.Color)	4293909759 (0xFFEFD _C FF)
YUV	229.6710, 12.4872, 8.1815
Hunter-Lab	87.6111, 8.1247, -9.8971

Details

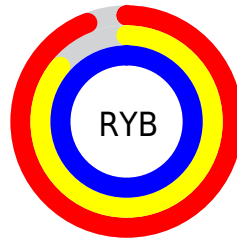
The XYZ color **79.2398, 76.7571, 105.2470** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.2722, 94.5210, 81.5693**, and the grayscale version is **74.8832, 78.7829, 85.7946**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1766, 41.0548, 59.0748** is the 20% darker color. If you saturate the color by 10%, you get **69.2418, 62.4159, 103.0058**, and if you desaturate by 10%, it is **90.5166, 93.2771, 107.8413**.

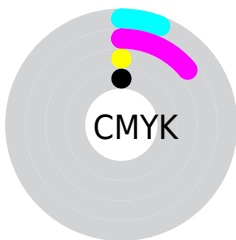
Distribution



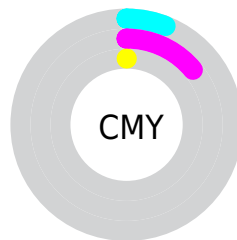
- Red (94%)
- Green (86%)
- Blue (100%)



- Red (94%)
- Yellow (86%)
- Blue (100%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.2398, 76.7571, 105.2470 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 79.2398, 76.7571, 105.2470 by changing the saturation by 10% instead.

79.2398, 76.7571,
105.2470

79.2398, 76.7571,
105.2470

481.1428,
483.9355, 598.2770

59.3993, 57.0535,
80.0485

131.2525,
128.7965, 170.4638

43.1822, 41.0482,
59.2319

164.1555,
161.9012, 211.3192

30.2233, 28.3568,
42.3786

202.1433,
200.2417, 258.2306

20.1570, 18.5948,
29.0700

245.5814,
244.2024, 311.6165

12.6182, 11.3778,
18.8878

294.8350,
294.1678, 371.8956

7.2413, 6.3216,
11.4132

350.2695,

3.6611, 3.0416,

350.5221, 439.4864

6.2278

412.2504,
413.6499, 514.8073

■ 1.5123, 1.1535,
2.9131

■ 0.3342, 0.0232,
1.0504

■ 79.2398, 76.7571,
105.2470

■ 79.2398, 76.7571,
105.2470

■ 69.2418, 62.4159,
103.0058

■ 90.5166, 93.2771,
107.8413

■ 60.4655, 50.1492,
101.1006

95.0500, 100.0000,
108.9000

■ 52.8584, 39.8585,
99.5153

■ 46.3616, 31.4332,
98.2314

■ 40.9102, 24.7514,
97.2290

■ 36.4319, 19.6763,
96.4855

■ 32.8432, 16.0494,
95.9746

■ 30.0436, 13.6781,
95.6644

■ 28.6017, 12.6596,
95.5438

Harmonies

Analogous

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



74.7667, 76.7571, 112.4843



79.2398, 76.7571, 105.2470



82.1032, 76.7571, 92.4665

Triad

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



79.2398, 76.7571, 105.2470



75.9971, 76.7571, 60.8443



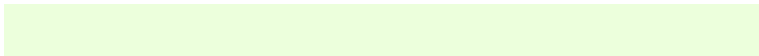
64.2168, 76.7571, 88.8269

Complementary

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



79.2398, 76.7571, 105.2470



83.2722, 94.5210, 81.5693

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.



64.5135, 76.7571, 75.2734



79.2398, 76.7571, 105.2470



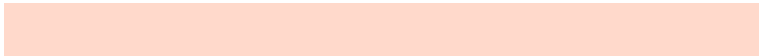
71.1735, 76.7571, 60.0997

Square

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



79.2398, 76.7571, 105.2470



80.1747, 76.7571, 67.2642



67.0122, 76.7571, 65.1038



66.1829, 76.7571, 102.3309

Rectangle

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



79.2398, 76.7571, 105.2470



82.6411, 76.7571, 83.0414



67.0122, 76.7571, 65.1038



64.0575, 76.7571, 84.1117

Sweetspot

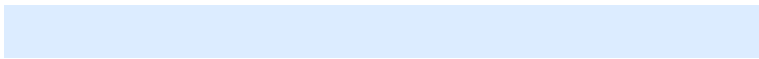
The Sweet Spot groups the original color and five complimentary colors.



79.2419, 76.7603, 105.2475



90.1872, 92.7902, 107.7647



77.6592, 82.6212, 106.4621



19.1131, 19.5794, 23.0218



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.



79.2419, 76.7603, 105.2475



76.8550, 73.3069, 104.7067



84.6973, 79.5943, 104.5254



17.9453, 17.8635, 22.7521



15.1194, 6.7048, 49.9319



1.5982, 0.7178, 4.8676

Inverse Universe

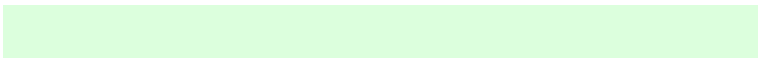
The Inverse Universe completely reimagines the original color for something new.



81.9754, 78.5055, 90.1920



80.0241, 75.3292, 87.3022



78.3509, 91.9661, 82.1484



18.3547, 18.1252, 20.4851



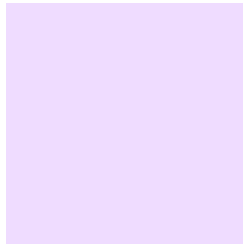
23.2868, 11.8040, 10.1605



2.3217, 1.1710, 1.2754

Previews

White Background



This preview shows how the XYZ color 79.2398, 76.7571, 105.2470 looks on a white background.

Color Contrast Check

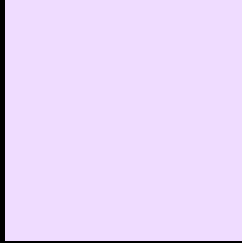
Large Text (above 18pt) WCAG AA × Fail

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 79.2398, 76.7571, 105.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

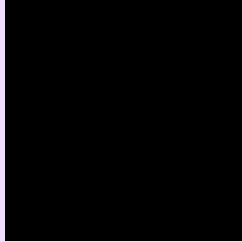
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.2398, 76.7571, 105.2470

Background



This preview shows how black text looks on a background with the XYZ color 79.2398, 76.7571, 105.2470.

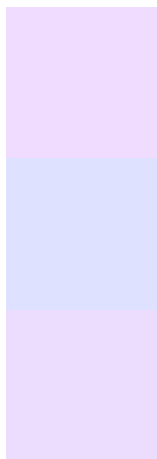


This preview shows how white text looks on a background with the XYZ color 79.2398, 76.7571,

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

79.2398, 76.7571, 105.2470

Protanopia

75.0994, 76.6000, 105.4349

Deuteranopia

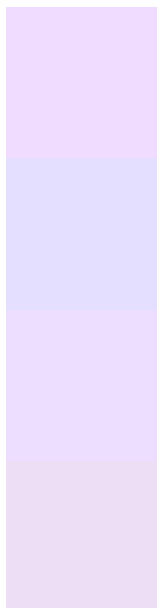
78.4985, 76.7658, 105.2877



Tritanopia

77.0409, 77.0711, 93.2538

Trichromacy



Original Color

79.2398, 76.7571, 105.2470

Protanomaly

76.4326, 76.4893, 105.3432

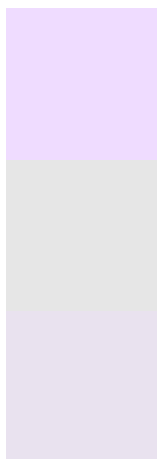
Deuteranomaly

78.8315, 76.9374, 105.3033

Tritanomaly

77.8626, 77.0123, 97.1473

Monochromacy



Original Color

79.2398, 76.7571, 105.2470

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

76.3806, 77.9483, 92.6812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.2398, 76.7571, 105.2470 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(239, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 220, 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(239, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 220, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.2398, 76.7571, 105.2470 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(239, 220, 255) }
```


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

```
.border{ border-color:rgb(239, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 220,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.2398, 76.7571, 105.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 220, 255) }
```

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

```
.background{ background-color: rgb(239,  
220, 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