

Converting Colors

XYZ(79.9833, 77.5375,
105.3584)

Have a look what the booklet for
XYZ(79.9833, 77.5375, 105.3584)
contains.

XYZ(79.8416, 77.4582, 105.3506)	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(79.8416, 77.4582,
105.3506)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DDFF
RGB	240, 221, 255
RGB Percent	94%, 87%, 100%
CMY	0.0588, 0.1333, 0.0000
CMYK	0.06, 0.13, 0.00, 0.00
HSL	274°, 100%, 93%
HSV	274°, 13%, 100%
XYZ	79.8416, 77.4582, 105.3506
YIQ	230.5570, 0.4100, 14.6020

Conversions

Conversions Part 2

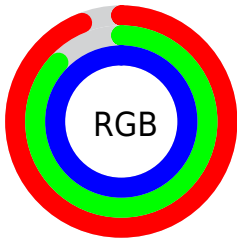
Format	Color
R _Y B	240, 221, 255
Decimal	15785471
CIE Lab	90.53, 12.58, -14.14
CIE LCh	91, 18.926, 311.672
Yxy	77.4582, 0.3040, 0.2949
Android (android.graphics.Color)	4293975551 (0xFFFF0DDFF)
YUV	230.5570, 12.0504, 8.2815
Hunter-Lab	88.0103, 7.9143, -9.3644

Details

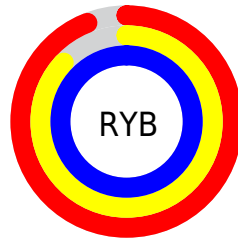
The XYZ color **79.8416, 77.4582, 105.3506** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.4052, 94.5743, 82.2692**, and the grayscale version is **75.5416, 79.4756, 86.5489**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5964, 41.5400, 59.1463** is the 20% darker color. If you saturate the color by 10%, you get **69.9123, 63.0943, 103.1014**, and if you desaturate by 10%, it is **91.0344, 93.9956, 107.9527**.

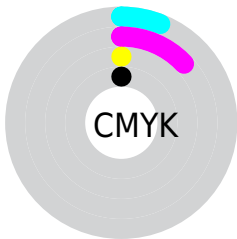
Distribution



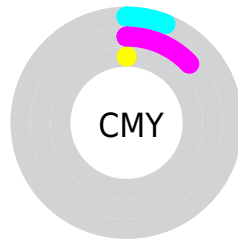
- Red (94%)
- Green (87%)
- Blue (100%)



- Red (94%)
- Yellow (87%)
- Blue (100%)



- Cyan (6%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.8416, 77.4582, 105.3506 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 79.8416, 77.4582, 105.3506 by changing the saturation by 10% instead.


 79.8416, 77.4582,
105.3506

 79.8416, 77.4582,
105.3506


483.1435,
486.3249, 598.6069

 59.8960, 57.6290,
80.1348


132.0947,
129.7861, 170.6067

 43.5840, 41.5105,
59.3025


165.1329,
163.0536, 211.4840

 30.5401, 28.7182,
42.4350


203.2661,
201.5693, 258.4190

 20.3990, 18.8677,
29.1140

246.8596,
245.7176, 311.8301

 12.7954, 11.5747,
18.9207

296.2787,
295.8829, 372.1359

 7.3638, 6.4548,
11.4368

351.8888,

 3.7390, 3.1236,

352.4496, 439.7550

6.2436

414.0553,
415.8021, 515.1058

■ 1.5556, 1.1966,
2.9226

■ 0.3632, 0.0589,
1.0552

■ 79.8416, 77.4582,
105.3506

■ 79.8416, 77.4582,
105.3506

■ 69.9123, 63.0943,
103.1014

■ 91.0344, 93.9956,
107.9527

■ 61.1901, 50.8001,
101.1881

95.0500, 100.0000,
108.9000

■ 53.6231, 40.4776,
99.5945

■ 47.1531, 32.0170,
98.3024

■ 41.7160, 25.2971,
97.2919

■ 37.2403, 20.1821,
96.5405

■ 33.6440, 16.5149,
96.0222

■ 30.8277, 14.1049,
95.7054

■ 29.2904, 13.0146,
95.5760

Harmonies

Analogous

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



75.4788, 77.4582, 112.5343



79.8416, 77.4582, 105.3506



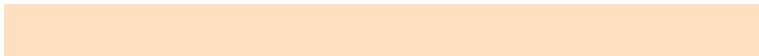
82.6058, 77.4582, 92.8057

Triad

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



79.8416, 77.4582, 105.3506



76.5216, 77.4582, 61.9318



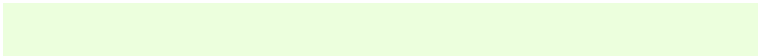
65.0616, 77.4582, 89.7240

Complementary

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



79.8416, 77.4582, 105.3506



83.4052, 94.5743, 82.2692

Split Complementary

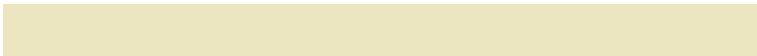
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.3138, 77.4582, 76.4033



79.8416, 77.4582, 105.3506



71.7953, 77.4582, 61.2963

Square

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



79.8416, 77.4582, 105.3506



80.6331, 77.4582, 68.1652



67.7335, 77.4582, 66.3249



67.0290, 77.4582, 102.8875

Rectangle

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



79.8416, 77.4582, 105.3506



83.1013, 77.4582, 83.5804



67.7335, 77.4582, 66.3249



64.8919, 77.4582, 85.1018

Sweetspot

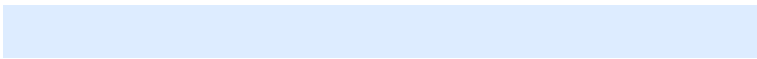
The Sweet Spot groups the original color and five complimentary colors.



79.8437, 77.4614, 105.3511



90.2456, 92.8203, 107.7674



77.9533, 82.7586, 106.4732



19.1279, 19.5870, 23.0225



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.



79.8437, 77.4614, 105.3511



77.0720, 73.4188, 104.7169



84.8754, 80.0868, 104.1644



17.9740, 17.8783, 22.7535



15.4794, 6.8904, 49.9487



1.6328, 0.7357, 4.8692

Inverse Universe

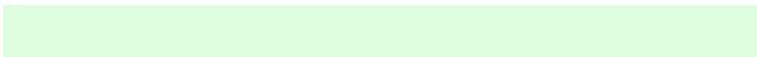
The Inverse Universe completely reimagines the original color for something new.



82.2388, 79.0322, 90.2801



79.9313, 75.2921, 86.8136



78.8601, 92.2049, 83.2448



18.3423, 18.1202, 20.4198



23.1639, 11.7549, 9.5136



2.3092, 1.1661, 1.2099

Previews

White Background



This preview shows how the XYZ color 79.8416, 77.4582, 105.3506 looks on a white background.

Color Contrast Check

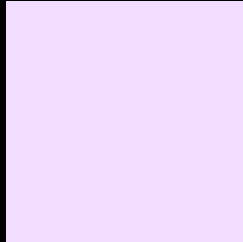
Large Text (above 18pt) WCAG AA × Fail

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 79.8416, 77.4582, 105.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

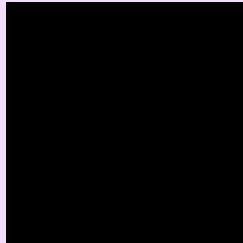
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.8416, 77.4582, 105.3506

Background



This preview shows how black text looks on a background with the XYZ color 79.8416, 77.4582, 105.3506.



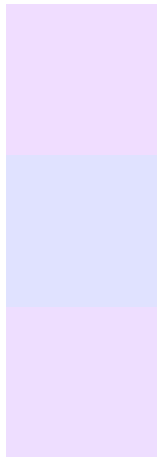
This preview shows how white text looks on a background with the XYZ color 79.8416, 77.4582,

105.3506.

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

79.8416, 77.4582, 105.3506

Protanopia

75.9868, 77.4600, 105.5541

Deuteranopia

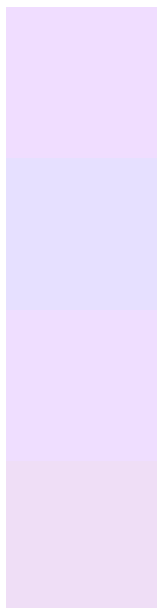
79.4312, 77.6397, 105.4072



Tritanopia

77.5248, 77.3034, 94.0541

Trichromacy



Original Color

79.8416, 77.4582, 105.3506

Protanomaly

77.3388, 77.3543, 105.4624

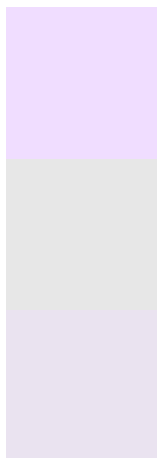
Deuteranomaly

79.7679, 77.8133, 105.4230

Tritanomaly

78.3524, 77.2471, 97.9693

Monochromacy



Original Color

79.8416, 77.4582, 105.3506

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

77.1289, 78.7219, 93.5678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8416, 77.4582, 105.3506 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(240, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 221, 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(240, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 221, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.8416, 77.4582, 105.3506 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(240, 221, 255) }
```


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

```
.border{ border-color:rgb(240, 221, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 221, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 221,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8416, 77.4582, 105.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 221, 255) }
```

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

```
.background{ background-color: rgb(240,  
221, 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