

# Converting Colors

XYZ(80.0089, 76.7603,  
105.2114)

Have a look what the booklet for  
XYZ(80.0089, 76.7603, 105.2114)  
contains.

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# **Color**

**XYZ(79.9995, 76.7603,  
105.2075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2DBFF
RGB	242, 219, 255
RGB Percent	95%, 86%, 100%
CMY	0.0510, 0.1412, 0.0000
CMYK	0.05, 0.14, 0.00, 0.00
HSL	278°, 100%, 93%
HSV	278°, 14%, 100%
XYZ	79.9995, 76.7603, 105.2075
YIQ	229.9810, 2.1520, 16.0720

# Conversions

## Conversions Part 2

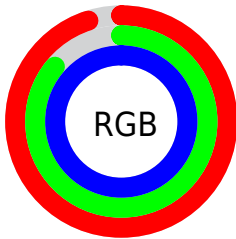
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 219, 255
Decimal	15916031
CIE <sub>Lab</sub>	90.21, 14.28, -14.60
CIE <sub>LCh</sub>	90, 20.422, 314.358
Yxy	76.7603, 0.3054, 0.2930
Android (android.graphics.Color)	4294106111 (0xFFFF2DBFF)
YUV	229.9810, 12.3344, 10.5407
Hunter-Lab	87.6130, 9.6659, -9.8676

# Details

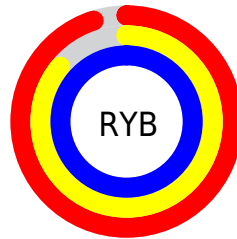
The XYZ color **79.9995, 76.7603, 105.2075** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.8267, 93.7911, 80.8124**, and the grayscale version is **75.1122, 79.0239, 86.0570**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7182, 41.0672, 59.0487** is the 20% darker color. If you saturate the color by 10%, you get **70.7689, 62.8727, 103.0135**, and if you desaturate by 10%, it is **90.4125, 92.7743, 107.7497**.

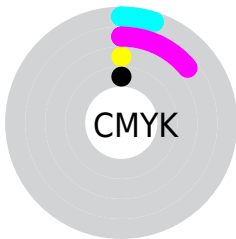
# Distribution



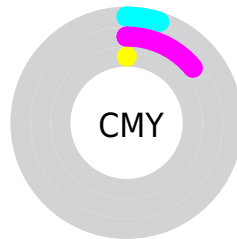
- Red (95%)
- Green (86%)
- Blue (100%)



- Red (95%)
- Yellow (86%)
- Blue (100%)



- Cyan (5%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (14%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9995, 76.7603, 105.2075 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 79.9995, 76.7603, 105.2075 by changing the saturation by 10% instead.




 79.9995, 76.7603,  
105.2075

 79.9995, 76.7603,  
105.2075


483.6677,  
483.9464, 598.1512

 60.0264, 57.0562,  
80.0156


132.3156,  
128.8011, 170.4093

 43.6895, 41.0503,  
59.2049


165.3892,  
161.9065, 211.2563

 30.6233, 28.3584,  
42.3570


203.5605,  
200.2478, 258.1587

 20.4626, 18.5960,  
29.0533

247.1946,  
244.2094, 311.5351

 12.8420, 11.3787,  
18.8752

296.6571,  
294.1756, 371.8040

 7.3961, 6.3222,  
11.4042

352.3132,

 3.7595, 3.0420,

350.5309, 439.3839

6.2218

414.5283,  
413.6597, 514.6935

■ 1.5670, 1.1537,  
2.9095

■ 0.3708, 0.0234,  
1.0486

■ 79.9995, 76.7603,  
105.2075

■ 79.9995, 76.7603,  
105.2075

■ 70.7689, 62.8727,  
103.0135

■ 90.4125, 92.7743,  
107.7497

■ 62.6658, 51.0084,  
101.1505

95.0500, 100.0000,  
108.9000

■ 55.6401, 41.0697,  
99.6024

■ 49.6354, 32.9470,  
98.3511

■ 44.5891, 26.5194,  
97.3764

■ 40.4315, 21.6506,  
96.6558

■ 37.0815, 18.1830,  
96.1630

■ 34.4409, 15.9235,  
95.8660

■ 33.1373, 14.9978,  
95.7561

# Harmonies

## Analogous

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



75.4064, 76.7603, 113.6992



79.9995, 76.7603, 105.2075



82.7699, 76.7603, 91.3470

# Triad

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



79.9995, 76.7603, 105.2075



75.6226, 76.7603, 59.4407



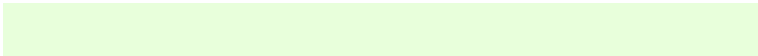
63.9027, 76.7603, 90.7065

# Complementary

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



79.9995, 76.7603, 105.2075



81.8267, 93.7911, 80.8124

# Split Complementary

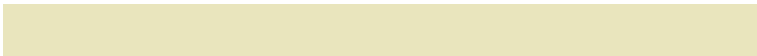
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.9546, 76.7603, 76.2642



79.9995, 76.7603, 105.2075



70.5639, 76.7603, 59.3117

# Square

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



79.9995, 76.7603, 105.2075



80.1641, 76.7603, 65.5142



66.3430, 76.7603, 65.1384



66.1979, 76.7603, 104.6920



# Rectangle

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



79.9995, 76.7603, 105.2075



83.1330, 76.7603, 81.4720



66.3430, 76.7603, 65.1384



63.6497, 76.7603, 85.7219

# Sweetspot

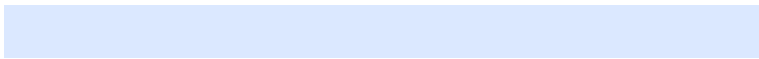
The Sweet Spot groups the original color and five complimentary colors.



80.0016, 76.7635, 105.2080



90.5398, 92.9720, 107.7812



76.1790, 80.1088, 106.0552



19.2024, 19.6254, 23.0260



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.



80.0016, 76.7635, 105.2080



77.2196, 72.5431, 104.5401



83.8598, 78.8406, 101.4055



18.1192, 17.9532, 22.7603



17.4842, 7.9239, 50.0425



1.8220, 0.8332, 4.8781



# Inverse Universe

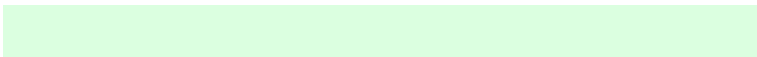
The Inverse Universe completely reimagines the original color for something new.



81.1389, 77.7523, 87.0777



78.6032, 73.7350, 82.9828



78.4031, 91.9521, 83.9985



18.2804, 18.0955, 20.0938



22.6249, 11.5393, 6.6752



2.2530, 1.1436, 0.9137



# Previews

## White Background



This preview shows how the XYZ color 79.9995, 76.7603, 105.2075 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

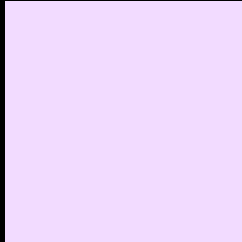
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9995, 76.7603, 105.2075 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 79.9995, 76.7603, 105.2075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.9995, 76.7603, 105.2075.



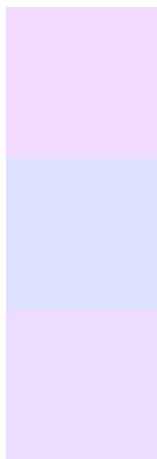
This preview shows how white text looks on a background with the XYZ color 79.9995, 76.7603,



# 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

79.9995, 76.7603, 105.2075

### Protanopia

75.3706, 77.1423, 105.5252

### Deuteranopia

78.4985, 76.7658, 105.2877



## Tritanopia

77.6364, 76.9998, 92.4319

# Trichromacy



## Original Color

79.9995, 76.7603, 105.2075

## Protanomaly

76.7508, 76.6534, 105.3581

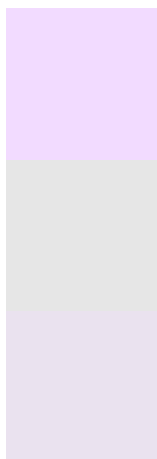
## Deuteranomaly

78.9031, 76.5835, 105.2312

## Tritanomaly

78.6135, 77.0062, 97.1065

# Monochromacy



## Original Color

79.9995, 76.7603, 105.2075

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

76.7080, 78.1171, 92.6965

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9995, 76.7603, 105.2075 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(242, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 219, 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(242, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 219, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9995, 76.7603, 105.2075 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(242, 219, 255) }
```



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

```
.border{ border-color:rgb(242, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 219,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9995, 76.7603, 105.2075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 219, 255) }
```

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

```
.background{ background-color: rgb(242,  
219, 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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