

# Converting Colors

XYZ(80.0569, 78.3783,  
105.5168)

Have a look what the booklet for  
XYZ(80.0569, 78.3783, 105.5168)  
contains.

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# Color

**XYZ(80.0343, 78.3461,  
105.5118)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFDFFF
RGB	239, 223, 255
RGB Percent	94%, 87%, 100%
CMY	0.0627, 0.1255, 0.0000
CMYK	0.06, 0.13, 0.00, 0.00
HSL	270°, 100%, 94%
HSV	270°, 13%, 100%
XYZ	80.0343, 78.3461, 105.5118
YIQ	231.4320, -0.7360, 13.3440

# Conversions

## Conversions Part 2

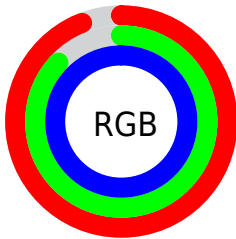
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	239, 223, 255
Decimal	15720447
CIE <sub>Lab</sub>	90.94, 11.21, -13.54
CIE <sub>LCh</sub>	91, 17.581, 309.636
Yxy	78.3461, 0.3033, 0.2969
Android (android.graphics.Color)	4293910527 (0xFFEFDFFF)
YUV	231.4320, 11.6190, 6.6371
Hunter-Lab	88.5133, 6.5025, -8.7170

# Details

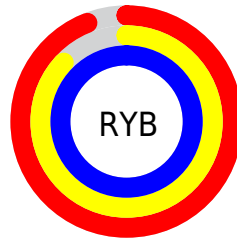
The XYZ color **80.0343, 78.3461, 105.5118** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.6778, 95.1993, 83.7282**, and the grayscale version is **76.1958, 80.1640, 87.2986**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7241, 42.1498, 59.2573** is the 20% darker color. If you saturate the color by 10%, you get **69.5741, 63.5919, 103.2152**, and if you desaturate by 10%, it is **91.8284, 95.3153, 108.1656**.

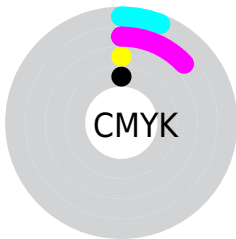
# Distribution



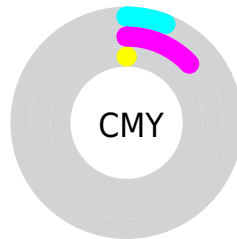
- Red (94%)
- Green (87%)
- Blue (100%)



- 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 80.0343, 78.3461, 105.5118 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 80.0343, 78.3461, 105.5118 by changing the saturation by 10% instead.



80.0343, 78.3461,  
105.5118

80.0343, 78.3461,  
105.5118

483.7832,  
489.3414, 599.1201

60.0551, 58.3583,  
80.2691

132.3642,  
131.0379, 170.8290

43.7127, 42.0968,  
59.4124

165.4457,  
164.5107, 211.7405

30.6417, 29.1771,  
42.5230

203.6253,  
203.2474, 258.7122

20.4766, 19.2148,  
29.1824

247.2685,  
247.6322, 312.1624

12.8522, 11.8256,  
18.9721

296.7405,  
298.0496, 372.5098

7.4032, 6.6250,  
11.4735

352.4067,

3.7641, 3.2287,

354.8840, 440.1728

6.2681

414.6325,  
418.5198, 515.5701

■ 1.5695, 1.2523,  
2.9374

■ 0.3724, 0.1038,  
1.0627

■ 80.0343, 78.3461,  
105.5118

■ 80.0343, 78.3461,  
105.5118

■ 69.5741, 63.5919,  
103.2152

■ 91.8284, 95.3153,  
108.1656

■ 60.3896, 50.9483,  
101.2589

95.0500, 100.0000,  
108.9000

■ 52.4273, 40.3169,  
99.6265

■ 45.6270, 31.5874,  
98.2999

■ 39.9230, 24.6386,  
97.2593

■ 35.2422, 19.3347,  
96.4822

■ 31.5009, 15.5194,  
95.9430

■ 28.5990, 13.0041,  
95.6104

■ 26.8762, 11.7701,  
95.4631

# Harmonies

## Analogous

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



75.9010, 78.3461, 111.6961



80.0343, 78.3461, 105.5118



82.7427, 78.3461, 94.0820

# Triad

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



80.0343, 78.3461, 105.5118



77.4701, 78.3461, 64.4125



66.3772, 78.3461, 89.4559

# Complementary

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



80.0343, 78.3461, 105.5118



84.6778, 95.1993, 83.7282

# 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.



66.7598, 78.3461, 77.0927



80.0343, 78.3461, 105.5118



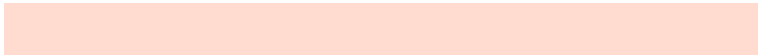
73.0484, 78.3461, 63.4383

# Square

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



80.0343, 78.3461, 105.5118



81.2220, 78.3461, 70.6668



69.1614, 78.3461, 67.8593



68.0947, 78.3461, 101.8381



# Rectangle

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



80.0343, 78.3461, 105.5118



83.3151, 78.3461, 85.4606



69.1614, 78.3461, 67.8593



66.2661, 78.3461, 85.1507

# Sweetspot

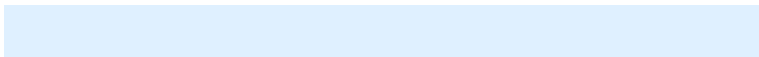
The Sweet Spot groups the original color and five complimentary colors.



80.0364, 78.3493, 105.5123



90.0304, 92.7093, 107.7573



79.5068, 84.9562, 106.8155



19.0734, 19.5589, 23.0199



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.



80.0364, 78.3493, 105.5123



77.3487, 74.5282, 104.9164



85.4832, 81.1573, 105.7672



17.8684, 17.8239, 22.7485



14.2156, 6.2389, 49.8896



1.5101, 0.6724, 4.8635



# Inverse Universe

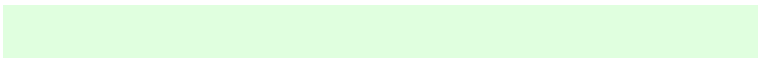
The Inverse Universe completely reimagines the original color for something new.



83.2096, 80.2705, 92.7722



81.1108, 76.8058, 89.8124



79.6777, 92.6217, 83.4942



18.3882, 18.1386, 20.6614



23.6431, 11.9465, 12.0369

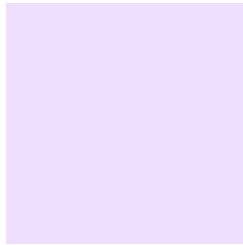


2.3572, 1.1852, 1.4623



# Previews

## White Background



This preview shows how the XYZ color 80.0343, 78.3461, 105.5118 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

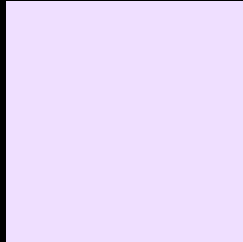
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0343, 78.3461, 105.5118 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

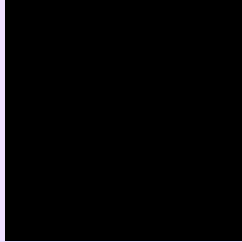
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 80.0343, 78.3461, 105.5118

## Background



This preview shows how black text looks on a background with the XYZ color 80.0343, 78.3461, 105.5118.



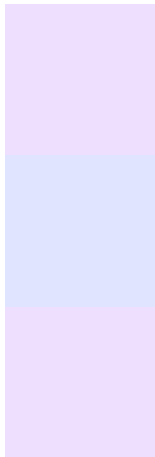
This preview shows how white text looks on a background with the XYZ color 80.0343, 78.3461,

105.5118.

# 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

80.0343, 78.3461, 105.5118

### Protanopia

76.8447, 78.7144, 105.7510

### Deuteranopia

80.0343, 78.3461, 105.5118



## Tritanopia

78.0279, 78.3260, 95.7999

# Trichromacy



## Original Color

80.0343, 78.3461, 105.5118

## Protanomaly

77.8795, 78.4357, 105.6427

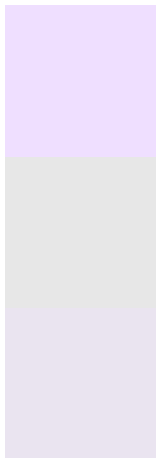
## Deuteranomaly

80.0343, 78.3461, 105.5118

## Tritanomaly

78.7041, 78.2039, 98.9424

# Monochromacy



## Original Color

80.0343, 78.3461, 105.5118

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.4033, 79.2705, 93.6592

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0343, 78.3461, 105.5118 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, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 223, 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, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 223, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0343, 78.3461, 105.5118 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, 223, 255) }
```



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

```
.border{ border-color:rgb(239, 223, 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, 223, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 223,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0343, 78.3461, 105.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 223, 255) }
```

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

```
.background{ background-color: rgb(239,  
223, 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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