

# Converting Colors

XYZ(79.1201, 77.4517,  
105.3873)

Have a look what the booklet for  
XYZ(79.1201, 77.4517, 105.3873)  
contains.

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# **Color**

**XYZ(79.0963, 77.4671,  
105.3916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDEFF
RGB	237, 222, 255
RGB Percent	93%, 87%, 100%
CMY	0.0706, 0.1294, 0.0000
CMYK	0.07, 0.13, 0.00, 0.00
HSL	267°, 100%, 94%
HSV	267°, 13%, 100%
XYZ	79.0963, 77.4671, 105.3916
YIQ	230.2470, -1.6530, 13.4430

# Conversions

## Conversions Part 2

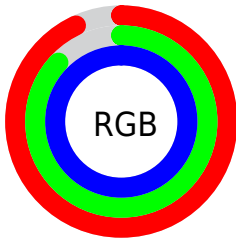
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 222, 255
Decimal	15589119
CIE <sub>Lab</sub>	90.54, 11.09, -14.16
CIE <sub>LCh</sub>	91, 17.985, 308.084
Y <sub>xy</sub>	77.4671, 0.3019, 0.2957
Android (android.graphics.Color)	4293779199 (0xFFEDDEFF)
Y <sub>UV</sub>	230.2470, 12.2032, 5.9224
Hunter-Lab	88.0154, 6.3846, -9.3844

# Details

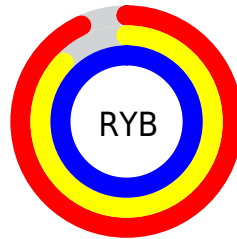
The XYZ color **79.0963, 77.4671, 105.3916** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.8820, 95.3201, 83.0359**, and the grayscale version is **75.3119, 79.2339, 86.2858**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0678, 41.5384, 59.1739** is the 20% darker color. If you saturate the color by 10%, you get **68.3639, 62.6308, 103.0935**, and if you desaturate by 10%, it is **91.2174, 94.5440, 108.0489**.

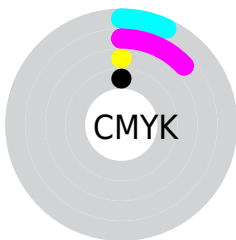
# Distribution



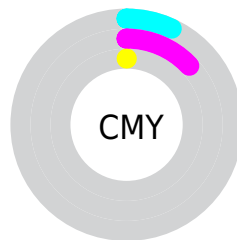
- Red (93%)
- Green (87%)
- Blue (100%)



- Red (93%)
- Yellow (87%)
- Blue (100%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0963, 77.4671, 105.3916 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 79.0963, 77.4671, 105.3916 by changing the saturation by 10% instead.



79.0963, 77.4671,  
105.3916

79.0963, 77.4671,  
105.3916

480.6651,  
486.3551, 598.7375

59.2809, 57.6363,  
80.1690

131.0516,  
129.7986, 170.6632

43.0865, 41.5163,  
59.3304

163.9223,  
163.0682, 211.5493

30.1478, 28.7228,  
42.4574

201.8754,  
201.5861, 258.4936

20.0994, 18.8712,  
29.1314

245.2763,  
245.7368, 311.9147

12.5760, 11.5772,  
18.9338

294.4903,  
295.9046, 372.2310

7.2122, 6.4565,  
11.4461

349.8829,

3.6427, 3.1246,

352.4741, 439.8613

6.2498

411.8194,  
415.8294, 515.2239

■ 1.5020, 1.1971,  
2.9263

■ 0.3272, 0.0594,  
1.0571

■ 79.0963, 77.4671,  
105.3916

■ 79.0963, 77.4671,  
105.3916

■ 68.3639, 62.6308,  
103.0935

■ 91.2174, 94.5440,  
108.0489

■ 58.9599, 49.9297,  
101.1376

95.0500, 100.0000,  
108.9000

■ 50.8288, 39.2640,  
99.5075

■ 43.9081, 30.5218,  
98.1848

■ 38.1298, 23.5804,  
97.1496

■ 33.4178, 18.3021,  
96.3791

■ 29.6857, 14.5283,  
95.8474

■ 26.8296, 12.0673,  
95.5229

■ 25.2392, 10.9262,  
95.3864

# Harmonies

## Analogous

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



74.8535, 77.4671, 111.3333



79.0963, 77.4671, 105.3916



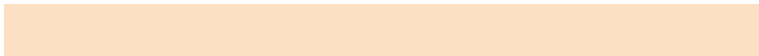
81.9513, 77.4671, 93.9382

# Triad

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



79.0963, 77.4671, 105.3916



76.9066, 77.4671, 63.3874



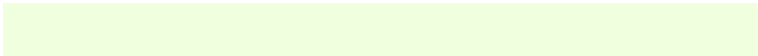
65.3928, 77.4671, 87.8809

# Complementary

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



79.0963, 77.4671, 105.3916



84.8820, 95.3201, 83.0359

# 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.



65.8923, 77.4671, 75.4347



79.0963, 77.4671, 105.3916



72.4203, 77.4671, 62.1195

# Square

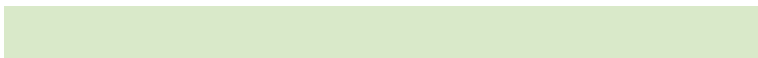
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0963, 77.4671, 105.3916



80.6516, 77.4671, 69.9704



68.4218, 77.4671, 66.3113



67.0285, 77.4671, 100.5725



# Rectangle

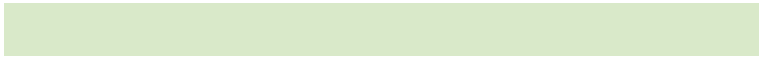
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0963, 77.4671, 105.3916



82.6193, 77.4671, 85.1795



68.4218, 77.4671, 66.3113



65.3179, 77.4671, 83.5229

# Sweetspot

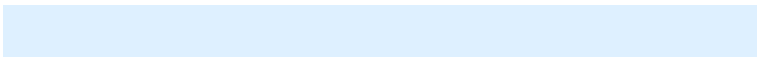
The Sweet Spot groups the original color and five complimentary colors.



79.0984, 77.4703, 105.3921



89.8645, 92.6238, 107.7496



79.3809, 85.1604, 106.8615



19.0314, 19.5373, 23.0180



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.



79.0984, 77.4703, 105.3921



75.6680, 72.6950, 104.6512



84.8084, 80.4139, 105.6593



17.7872, 17.7821, 22.7447



13.3550, 5.7952, 49.8493



1.4243, 0.6282, 4.8595



# Inverse Universe

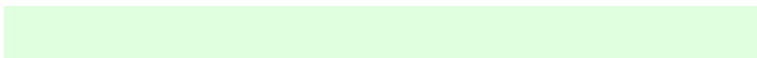
The Inverse Universe completely reimagines the original color for something new.



83.0914, 79.7969, 93.4639



80.5439, 75.5371, 90.0397



79.5793, 92.5865, 82.7878



18.4239, 18.1529, 20.8495



24.0640, 12.1149, 14.2535

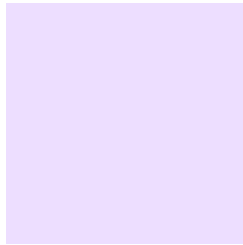


2.3982, 1.2016, 1.6782



# Previews

## White Background



This preview shows how the XYZ color 79.0963, 77.4671, 105.3916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

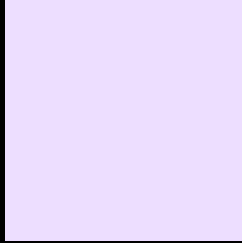
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0963, 77.4671, 105.3916 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

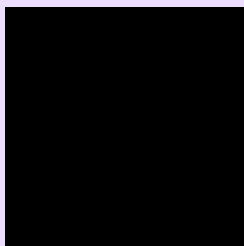
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.0963, 77.4671, 105.3916**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0963, 77.4671, 105.3916.



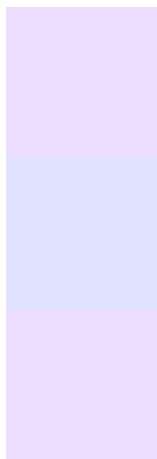
This preview shows how white text looks on a background with the XYZ color 79.0963, 77.4671,



# 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

79.0963, 77.4671, 105.3916

### Protanopia

75.9868, 77.4600, 105.5541

### Deuteranopia

79.0963, 77.4671, 105.3916



## Tritanopia

76.9436, 77.3843, 94.8857

# Trichromacy



## Original Color

79.0963, 77.4671, 105.3916

## Protanomaly

77.2883, 77.7284, 105.5373

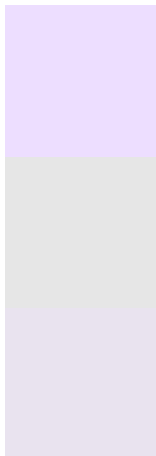
## Deuteranomaly

79.0963, 77.4671, 105.3916

## Tritanomaly

77.7682, 77.3236, 98.8218

# Monochromacy



## Original Color

79.0963, 77.4671, 105.3916

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

76.6533, 78.4938, 92.7721

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0963, 77.4671, 105.3916 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 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, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0963, 77.4671, 105.3916 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, 222, 255) }
```



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

```
.border{ border-color:rgb(237, 222, 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, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0963, 77.4671, 105.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 222, 255) }
```

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

```
.background{ background-color: rgb(237,  
222, 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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