

# Converting Colors

XYZ(93.5425, 79.8963,  
192.5902)

Have a look what the booklet for  
XYZ(93.5425, 79.8963, 192.5902)  
contains.

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# Color

**XYZ(77.0216, 73.3177,  
104.7000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD6FF
RGB	237, 214, 255
RGB Percent	93%, 84%, 100%
CMY	0.0706, 0.1608, 0.0000
CMYK	0.07, 0.16, 0.00, 0.00
HSL	274°, 100%, 92%
HSV	274°, 16%, 100%
XYZ	77.0216, 73.3177, 104.7000
YIQ	225.5510, 0.5470, 17.6270

# Conversions

## Conversions Part 2

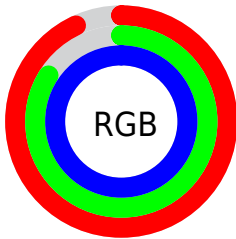
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 214, 255
Decimal	15587071
CIE Lab	88.60, 15.29, -17.06
CIE LCh	89, 22.914, 311.873
Yxy	73.3177, 0.3020, 0.2875
Android (android.graphics.Color)	4293777151 (0xFFEDD6FF)
YUV	225.5510, 14.5184, 10.0408
Hunter-Lab	85.6258, 10.7182, -12.5596

# Details

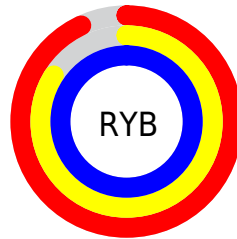
The XYZ color **77.0216, 73.3177, 104.7000** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.1782, 93.5317, 77.3969**, and the grayscale version is **71.8648, 75.6074, 82.3365**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6472, 38.6972, 58.7003** is the 20% darker color. If you saturate the color by 10%, you get **67.4447, 59.5402, 102.5454**, and if you desaturate by 10%, it is **87.8461, 89.2419, 107.2032**.

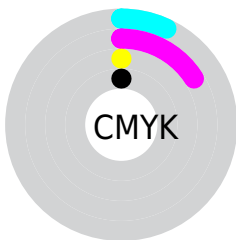
# Distribution



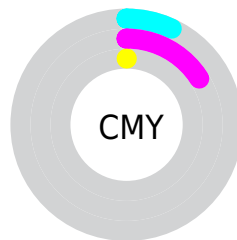
- Red (93%)
- Green (84%)
- Blue (100%)



- Red (93%)
- Yellow (84%)
- Blue (100%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0216, 73.3177, 104.7000 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 77.0216, 73.3177, 104.7000 by changing the saturation by 10% instead.



77.0216, 73.3177,  
104.7000

77.0216, 73.3177,  
104.7000

473.7285,  
472.1152, 596.5334

57.5706, 54.2358,  
79.5928

128.1427,  
123.9281, 169.7092

41.7054, 38.7902,  
58.8591

160.5434,  
156.2254, 210.4483

29.0608, 26.5966,  
42.0805

197.9914,  
193.6966, 257.2350

19.2713, 17.2705,  
28.8383

240.8521,  
236.7261, 310.4881

11.9717, 10.4275,  
18.7140

289.4908,  
285.6984, 370.6259

6.7965, 5.6833,  
11.2891

344.2729,

3.3803, 2.6535,

340.9977, 438.0670

6.1450

405.5636,  
403.0085, 513.2300

■ 1.3579, 0.9536,  
2.8632

■ 0.2260, 0.0000,  
1.0252

■ 77.0216, 73.3177,  
104.7000

■ 77.0216, 73.3177,  
104.7000

■ 67.4447, 59.5402,  
102.5454

■ 87.8461, 89.2419,  
107.2032

■ 59.0584, 47.8046,  
100.7222

95.0500, 100.0000,  
108.9000

■ 51.8096, 38.0103,  
99.2138

■ 45.6387, 30.0447,  
98.0015

■ 40.4801, 23.7833,  
97.0648

■ 36.2597, 19.0851,  
96.3804

■ 32.8915, 15.7855,  
95.9211

■ 30.2699, 13.6808,  
95.6530

■ 29.3855, 13.0637,  
95.5805

# Harmonies

## Analogous

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



71.8953, 73.3177, 113.4646



77.0216, 73.3177, 104.7000



80.2795, 73.3177, 89.6767

# Triad

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



77.0216, 73.3177, 104.7000



73.0444, 73.3177, 54.2630



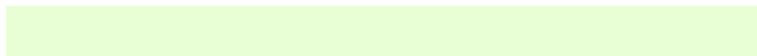
59.7972, 73.3177, 86.2564

# Complementary

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



77.0216, 73.3177, 104.7000



81.1782, 93.5317, 77.3969

# Split Complementary

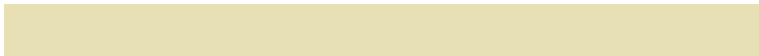
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.0685, 73.3177, 70.7327



77.0216, 73.3177, 104.7000



67.5230, 73.3177, 53.6015

# Square

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



77.0216, 73.3177, 104.7000



77.9010, 73.3177, 61.1934



62.8321, 73.3177, 59.2484



62.0703, 73.3177, 101.9128



# Rectangle

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



77.0216, 73.3177, 104.7000



80.8541, 73.3177, 78.8399



62.8321, 73.3177, 59.2484



59.5973, 73.3177, 80.8294

# Sweetspot

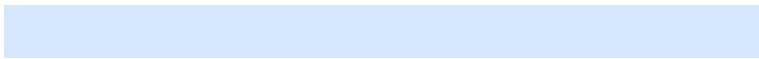
The Sweet Spot groups the original color and five complimentary colors.



77.0236, 73.3207, 104.7005



89.0871, 91.0869, 107.4939



74.7674, 79.4855, 106.0093



18.8945, 19.2379, 22.9674



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.



77.0236, 73.3207, 104.7005



74.0966, 69.0744, 104.0351



83.0096, 76.4446, 103.2672



17.9779, 17.8803, 22.7537



15.5291, 6.9160, 49.9510



1.6376, 0.7381, 4.8694



# Inverse Universe

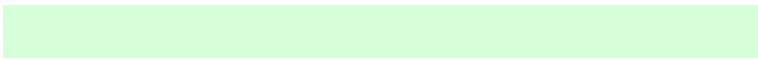
The Inverse Universe completely reimagines the original color for something new.



79.8539, 75.1823, 86.6495



77.4228, 71.2594, 82.9427



75.8949, 90.7777, 78.5249



18.3406, 18.1196, 20.4109



23.1477, 11.7484, 9.4282

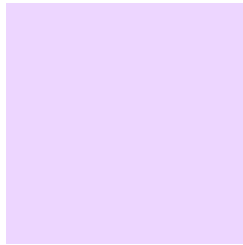


2.3076, 1.1654, 1.2012



# Previews

## White Background



This preview shows how the XYZ color 77.0216, 73.3177, 104.7000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

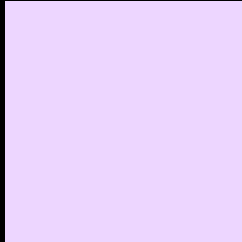
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0216, 73.3177, 104.7000 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

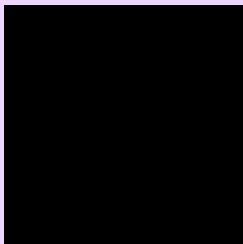
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.0216, 73.3177, 104.7000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.0216, 73.3177, 104.7000.



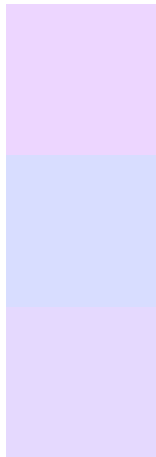
This preview shows how white text looks on a background with the XYZ color 77.0216, 73.3177,

104.7000.

# 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

77.0216, 73.3177, 104.7000

### Protanopia

72.2254, 73.5318, 104.9941

### Deuteranopia

75.0153, 73.4395, 103.9874



## Tritanopia

73.9985, 73.6334, 88.9098

# Trichromacy



## Original Color

77.0216, 73.3177, 104.7000

## Protanomaly

73.8619, 73.2101, 104.8458

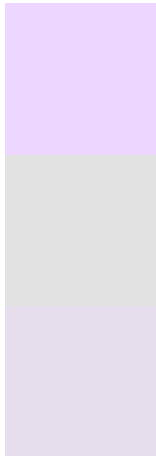
## Deuteranomaly

75.7240, 73.4233, 103.9470

## Tritanomaly

75.1008, 73.6987, 94.2714

# Monochromacy



## Original Color

77.0216, 73.3177, 104.7000

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

74.0405, 75.1800, 90.7296

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0216, 73.3177, 104.7000 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, 214, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 214, 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, 214, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 214, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0216, 73.3177, 104.7000 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, 214, 255) }
```



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

```
.border{ border-color:rgb(237, 214, 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, 214, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 214, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 214, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 214,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0216, 73.3177, 104.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 214, 255) }
```

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

```
.background{ background-color: rgb(237,  
214, 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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