

# Converting Colors

XYZ(77.4391, 74.1660,  
104.8417)

Have a look what the booklet for  
XYZ(77.4391, 74.1660, 104.8417)  
contains.

<b>XYZ(77.5309, 74.3363, 104.8698)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(77.5309, 74.3363,  
104.8698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD8FF
RGB	237, 216, 255
RGB Percent	93%, 85%, 100%
CMY	0.0706, 0.1529, 0.0000
CMYK	0.07, 0.15, 0.00, 0.00
HSL	272°, 100%, 92%
HSV	272°, 15%, 100%
XYZ	77.5309, 74.3363, 104.8698
YIQ	226.7250, -0.0030, 16.5810

# Conversions

## Conversions Part 2

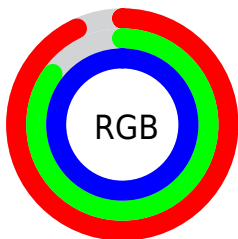
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 216, 255
Decimal	15587583
CIE <sub>Lab</sub>	89.08, 14.24, -16.34
CIE <sub>LCh</sub>	89, 21.673, 311.079
Y <sub>xy</sub>	74.3363, 0.3020, 0.2895
Android (android.graphics.Color)	4293777663 (0xFFEDD8FF)
Y <sub>UV</sub>	226.7250, 13.9396, 9.0112
Hunter-Lab	86.2185, 9.6315, -11.7630

# Details

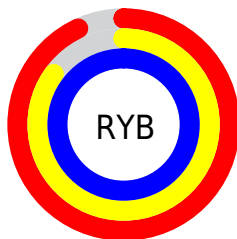
The XYZ color **77.5309, 74.3363, 104.8698** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **82.0883, 93.9712, 78.7812**, and the grayscale version is **72.7178, 76.5048, 83.3137**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9940, 39.3907, 58.8159** is the 20% darker color. If you saturate the color by 10%, you get **67.6969, 60.3111, 102.6809**, and if you desaturate by 10%, it is **88.6406, 90.5280, 107.4095**.

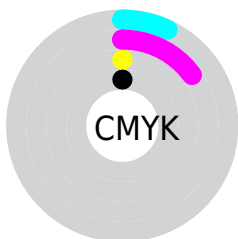
# Distribution



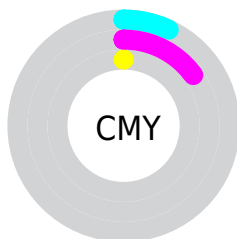
- Red (93%)
- Green (85%)
- Blue (100%)



- Red (93%)
- Yellow (85%)
- Blue (100%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5309, 74.3363, 104.8698 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 77.5309, 74.3363, 104.8698 by changing the saturation by 10% instead.



77.5309, 74.3363,  
104.8698

77.5309, 74.3363,  
104.8698

475.4365,  
475.6332, 597.0749

57.9902, 55.0693,  
79.7342

128.8575,  
125.3724, 169.9435

42.0440, 39.4572,  
58.9748

161.3741,  
157.9104, 210.7187

29.3270, 27.1156,  
42.1730

198.9466,  
195.6408, 257.5442

19.4738, 17.6601,  
28.9102

241.9405,  
238.9480, 310.8385

12.1192, 10.7062,  
18.7679

290.7210,  
288.2165, 371.0202

6.8977, 5.8696,  
11.3276

345.6537,

3.4440, 2.7660,

343.8306, 438.5078

6.1707

407.1037,  
406.1747, 513.7199

■ 1.3926, 1.0108,  
2.8787

■ 0.2510, 0.0000,  
1.0330

■ 77.5309, 74.3363,  
104.8698

■ 77.5309, 74.3363,  
104.8698

■ 67.6969, 60.3111,  
102.6809

■ 88.6406, 90.5280,  
107.4095

■ 59.0810, 48.3476,  
100.8259

95.0500, 100.0000,  
108.9000

■ 51.6300, 38.3457,  
99.2880

■ 45.2839, 30.1931,  
98.0489

■ 39.9767, 23.7659,  
97.0880

■ 35.6342, 18.9241,  
96.3823

■ 32.1710, 15.5052,  
95.9050

■ 29.4823, 13.3088,  
95.6227

■ 28.4163, 12.5640,  
95.5351

# Harmonies

## Analogous

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



72.6214, 74.3363, 112.9236



77.5309, 74.3363, 104.8698



80.6899, 74.3363, 90.7288

# Triad

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



77.5309, 74.3363, 104.8698



73.9946, 74.3363, 56.4536



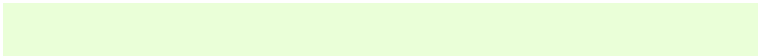
61.1609, 74.3363, 86.6508

# Complementary

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



77.5309, 74.3363, 104.8698



82.0883, 93.9712, 78.7812

# 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.



61.4876, 74.3363, 71.8811



77.5309, 74.3363, 104.8698



68.7233, 74.3363, 55.6488

# Square

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



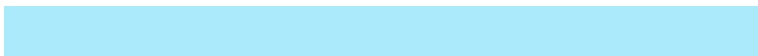
77.5309, 74.3363, 104.8698



78.5791, 74.3363, 63.3134



64.1971, 74.3363, 60.9584



63.2813, 74.3363, 101.5666



# Rectangle

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



77.5309, 74.3363, 104.8698



81.2882, 74.3363, 80.3938



64.1971, 74.3363, 60.9584



60.9910, 74.3363, 81.4878

# Sweetspot

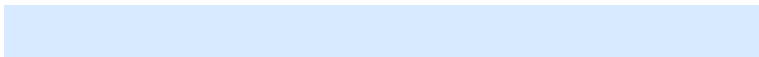
The Sweet Spot groups the original color and five complimentary colors.



77.5329, 74.3394, 104.8702



88.9846, 91.0341, 107.4891



75.8511, 80.7810, 106.2023



18.8696, 19.2250, 22.9662



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.



77.5329, 74.3394, 104.8702



74.7458, 70.3311, 104.2435



83.6387, 77.5111, 104.0673



17.9374, 17.8594, 22.7518



15.0224, 6.6548, 49.9273



1.5888, 0.7130, 4.8672



# Inverse Universe

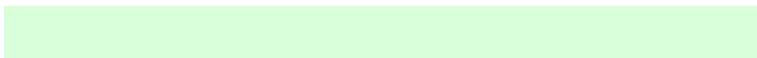
The Inverse Universe completely reimagines the original color for something new.



80.6491, 76.3153, 88.3243



78.3881, 72.6392, 84.9625



76.6447, 91.1454, 79.4072



18.3582, 18.1266, 20.5032



23.3216, 11.8179, 10.3438

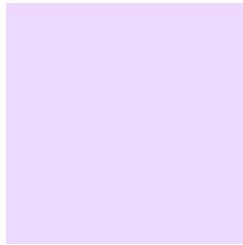


2.3252, 1.1724, 1.2938



# Previews

## White Background



This preview shows how the XYZ color 77.5309, 74.3363, 104.8698 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

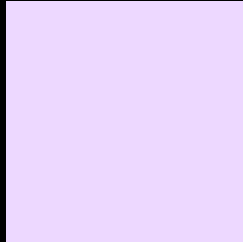
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5309, 74.3363, 104.8698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

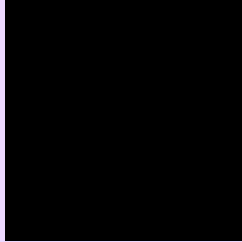
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.5309, 74.3363, 104.8698

## Background



This preview shows how black text looks on a background with the XYZ color 77.5309, 74.3363, 104.8698.



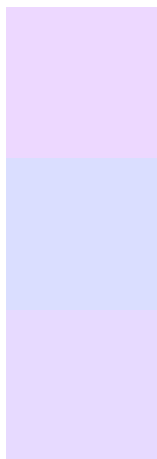
This preview shows how white text looks on a background with the XYZ color 77.5309, 74.3363,

104.8698.

# 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

77.5309, 74.3363, 104.8698

### Protanopia

73.0847, 74.3680, 105.1102

### Deuteranopia

76.0764, 74.3517, 104.9494



## **Tritanopia**

74.4035, 74.2116, 89.7597

# Trichromacy



## Original Color

77.5309, 74.3363, 104.8698

## Protanomaly

74.6945, 74.4140, 105.0342

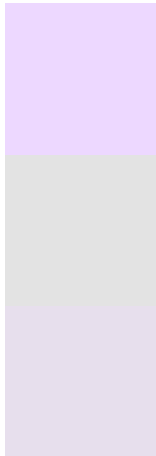
## Deuteranomaly

76.4671, 74.1693, 104.8936

## Tritanomaly

75.5100, 74.2760, 95.1509

# Monochromacy



## Original Color

77.5309, 74.3363, 104.8698

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.6287, 75.8787, 90.8335

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5309, 74.3363, 104.8698 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, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 216, 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, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 216, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5309, 74.3363, 104.8698 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, 216, 255) }
```



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

```
.border{ border-color:rgb(237, 216, 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, 216, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 216,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5309, 74.3363, 104.8698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 216, 255) }
```

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

```
.background{ background-color: rgb(237,  
216, 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