

# Converting Colors

XYZ(77.1505, 74.5953,  
101.5988)

Have a look what the booklet for  
XYZ(77.1505, 74.5953, 101.5988)  
contains.

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# **Color**

**XYZ(77.1505, 74.5953,  
101.5988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDD9FB
RGB	237, 217, 251
RGB Percent	93%, 85%, 98%
CMY	0.0706, 0.1490, 0.0157
CMYK	0.06, 0.14, 0.00, 0.02
HSL	275°, 81%, 92%
HSV	275°, 14%, 98%
XYZ	77.1505, 74.5953, 101.5988
YIQ	226.8560, 1.0060, 14.8140

# Conversions

## Conversions Part 2

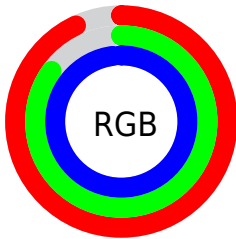
Format	Color
R <sub>Y</sub> B	237, 217, 251
Decimal	15587835
CIE Lab	89.20, 12.95, -14.05
CIE LCh	89, 19.110, 312.665
Yxy	74.5953, 0.3045, 0.2944
Android (android.graphics.Color)	4293777915 (0xFFEDD9FB)
YUV	226.8560, 11.9030, 8.8963
Hunter-Lab	86.3686, 8.3038, -9.2872

# Details

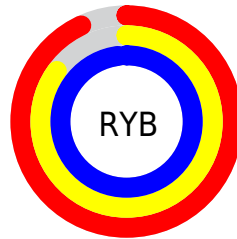
The XYZ color **77.1505, 74.5953, 101.5988** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.9792, 90.9950, 78.9978**, and the grayscale version is **72.8267, 76.6194, 83.4385**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7140, 39.5595, 56.4761** is the 20% darker color. If you saturate the color by 10%, you get **67.8149, 60.8994, 99.4484**, and if you desaturate by 10%, it is **87.6735, 90.3679, 104.0897**.

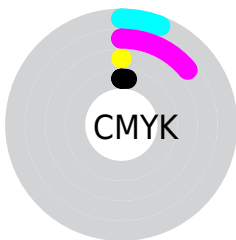
# Distribution



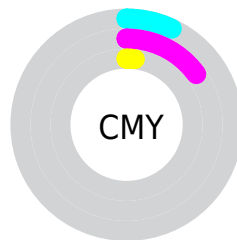
- Red (93%)
- Green (85%)
- Blue (98%)



- Red (93%)
- Yellow (85%)
- Blue (98%)



- Cyan (6%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (15%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1505, 74.5953, 101.5988 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 77.1505, 74.5953, 101.5988 by changing the saturation by 10% instead.



77.1505, 74.5953,  
101.5988

77.1505, 74.5953,  
101.5988

474.1611,  
476.5254, 586.5969

57.6768, 55.2814,  
77.0121

128.3236,  
125.7393, 165.4236

41.7911, 39.6271,  
56.7512

160.7537,  
158.3383, 205.4987

29.1281, 27.2479,  
40.3975

198.2333,  
196.1343, 251.5738

19.3225, 17.7595,  
27.5325

241.1277,  
239.5119, 304.0674

12.0090, 10.7775,  
17.7376

289.8024,  
288.8554, 363.3979

6.8220, 5.9174,  
10.5942

344.6226,

3.3964, 2.7949,

344.5492, 429.9840

5.6840

405.9537,  
406.9778, 504.2441

■ 1.3667, 1.0256,  
2.5882

■ 0.2323, 0.0000,  
0.8864

■ 77.1505, 74.5953,  
101.5988

■ 77.1505, 74.5953,  
101.5988

■ 67.8149, 60.8994,  
99.4484

■ 87.6735, 90.3679,  
104.0897

■ 59.6122, 49.1804,  
97.6187

■ 94.4128, 99.7451,  
105.5445

■ 52.4937, 39.3443,  
96.0954

■ 46.4040, 31.2857,  
94.8608

■ 41.2823, 24.8881,  
93.8959

■ 37.0605, 20.0212,  
93.1790

■ 33.6604, 16.5338,  
92.6851

■ 30.9871, 14.2425,  
92.3838

■ 29.5604, 13.2275,  
92.2630

# Harmonies

## Analogous

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



72.8841, 74.5953, 108.9312



77.1505, 74.5953, 101.5988



79.8060, 74.5953, 89.1134

# Triad

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



77.1505, 74.5953, 101.5988



73.6051, 74.5953, 59.0982



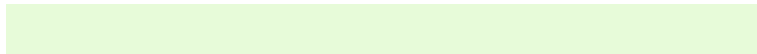
62.5096, 74.5953, 86.9809

# Complementary

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



77.1505, 74.5953, 101.5988



79.9792, 90.9950, 78.9978

# Split Complementary

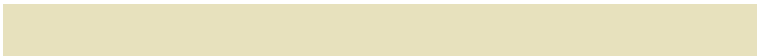
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.6836, 74.5953, 73.8101



77.1505, 74.5953, 101.5988



68.9535, 74.5953, 58.6612

# Square

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



77.1505, 74.5953, 101.5988



77.6983, 74.5953, 65.0366



64.9977, 74.5953, 63.7693



64.5114, 74.5953, 99.8910



# Rectangle

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



77.1505, 74.5953, 101.5988



80.2368, 74.5953, 80.0340



64.9977, 74.5953, 63.7693



62.3182, 74.5953, 82.4209

# Sweetspot

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



77.1527, 74.5985, 101.6004



90.3535, 92.8759, 107.7724



74.6533, 78.9649, 102.5750



19.1552, 19.6011, 23.0237



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.



77.1527, 74.5985, 101.6004



77.4739, 73.6260, 104.7357



81.5678, 76.9257, 99.4930



17.2616, 17.1475, 21.7853



15.7075, 7.0402, 48.5046



1.5752, 0.7141, 4.4980



# Inverse Universe

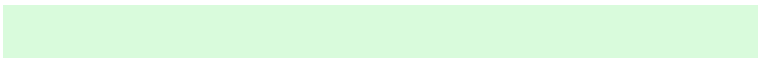
The Inverse Universe completely reimagines the original color for something new.



79.0229, 75.9078, 86.0916



79.7612, 75.2240, 85.9181



76.0114, 88.9065, 80.7524



17.5410, 17.3437, 19.4385



22.2766, 11.3263, 8.1647

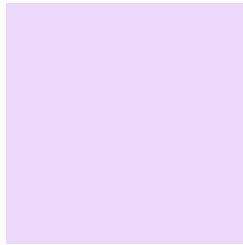


2.1145, 1.0695, 1.0262



# Previews

## White Background



This preview shows how the XYZ color 77.1505, 74.5953, 101.5988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

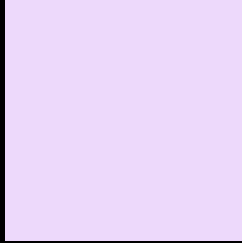
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.1505, 74.5953, 101.5988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

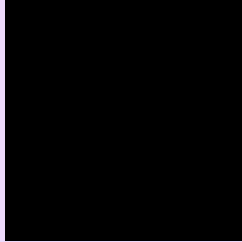
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

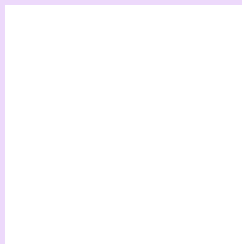
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.1505, 74.5953, 101.5988

## Background



This preview shows how black text looks on a background with the XYZ color 77.1505, 74.5953, 101.5988.



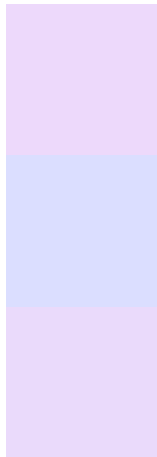
This preview shows how white text looks on a background with the XYZ color 77.1505, 74.5953,



# 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

77.1505, 74.5953, 101.5988

### Protanopia

73.3847, 74.5226, 105.1243

### Deuteranopia

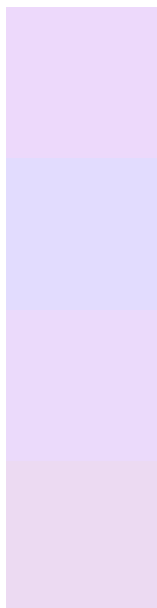
76.4157, 74.6003, 101.6385



## Tritanopia

74.8785, 74.4396, 90.5425

# Trichromacy



## Original Color

77.1505, 74.5953, 101.5988

## Protanomaly

74.8466, 74.5109, 104.2031

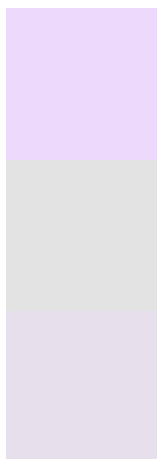
## Deuteranomaly

76.7449, 74.7700, 101.6539

## Tritanomaly

75.6905, 74.3865, 94.3731

# Monochromacy



## Original Color

77.1505, 74.5953, 101.5988

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.4830, 75.8204, 90.0660

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.1505, 74.5953, 101.5988 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, 217, 251)` looks like.

```
.text, #text, p{  
    color:rgb(237, 217, 251)  
}
```

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, 217, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 217, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 77.1505, 74.5953, 101.5988 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, 217, 251) }
```



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

```
.border{ border-color:rgb(237, 217, 251) }
```

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

Here you see how a box with a 4 pixel rgb(237, 217, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 217, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 217, 251);  
box-shadow:4px 4px 4px 4px rgb(237, 217,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.1505, 74.5953, 101.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 217, 251) }
```

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

```
.background{ background-color: rgb(237,  
217, 251) }
```

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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