

# Converting Colors

XYZ(77.3489, 78.3945,  
101.1733)

Have a look what the booklet for  
XYZ(77.3489, 78.3945, 101.1733)  
contains.

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# Color

**XYZ(77.4067, 78.2838,  
101.4730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E2FA
RGB	231, 226, 250
RGB Percent	91%, 89%, 98%
CMY	0.0941, 0.1137, 0.0196
CMYK	0.08, 0.10, 0.00, 0.02
HSL	252°, 71%, 93%
HSV	252°, 10%, 98%
XYZ	77.4067, 78.2838, 101.4730
YIQ	230.2310, -4.7240, 8.5240

# Conversions

## Conversions Part 2

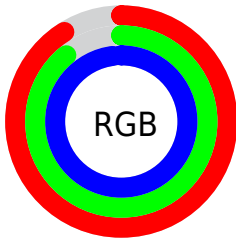
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 226, 250
Decimal	15196922
CIE Lab	90.91, 6.11, -11.03
CIE LCh	91, 12.610, 298.994
Yxy	78.2838, 0.3010, 0.3044
Android (android.graphics.Color)	4293387002 (0xFFE7E2FA)
YUV	230.2310, 9.7461, 0.6744
Hunter-Lab	88.4781, 1.3272, -6.0633

# Details

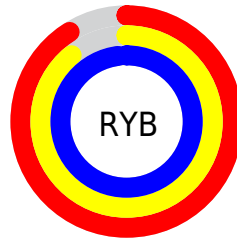
The XYZ color **77.4067, 78.2838, 101.4730** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85.5721, 93.2768, 85.4494**, and the grayscale version is **75.3194, 79.2419, 86.2944**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9797, 42.1348, 56.9592** is the 20% darker color. If you saturate the color by 10%, you get **65.0669, 62.5575, 99.0891**, and if you desaturate by 10%, it is **91.4648, 96.3715, 104.2245**.

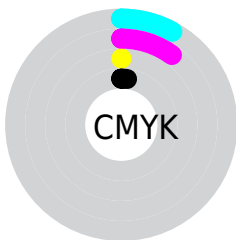
# Distribution



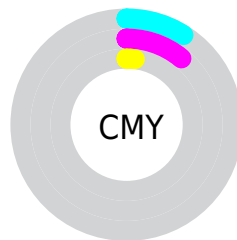
- Red (91%)
- Green (89%)
- Blue (98%)



- Red (91%)
- Yellow (89%)
- Blue (98%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (11%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4067, 78.2838, 101.4730 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 77.4067, 78.2838, 101.4730 by changing the saturation by 10% instead.



77.4067, 78.2838,  
101.4730

77.4067, 78.2838,  
101.4730

475.0203,  
489.1301, 586.1920

57.8878, 58.3071,  
76.9075

128.6832,  
130.9501, 165.2494

41.9614, 42.0556,  
56.6659

161.1716,  
164.4086, 205.2975

29.2620, 29.1448,  
40.3295

198.7138,  
203.1297, 251.3436

19.4244, 19.1904,  
27.4798

241.6752,  
247.4980, 303.8061

12.0832, 11.8080,  
17.6983

290.4212,  
297.8978, 363.1036

6.8729, 6.6130,  
10.5664

345.3172,

3.4284, 3.2213,

354.7135, 429.6548

5.6656

406.7284,  
418.3294, 503.8780

■ 1.3841, 1.2483,  
2.5773

■ 0.2449, 0.1007,  
0.8807

■ 77.4067, 78.2838,  
101.4730

■ 77.4067, 78.2838,  
101.4730

■ 65.0669, 62.5575,  
99.0891

■ 91.4648, 96.3715,  
104.2245

■ 54.3718, 49.0849,  
97.0523

■ 94.2556, 99.6822,  
104.7165

■ 45.2526, 37.7646,  
95.3479

■ 37.6331, 28.4836,  
93.9581

■ 31.4301, 21.1184,  
92.8634

■ 26.5524, 15.5319,  
92.0422

■ 22.8974, 11.5683,  
91.4698

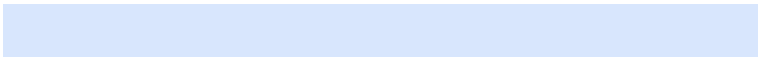
■ 20.3460, 9.0439,  
91.1170

■ 18.7269, 7.6769,  
90.9385

# Harmonies

## Analogous

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



74.2992, 78.2838, 103.9527



77.4067, 78.2838, 101.4730



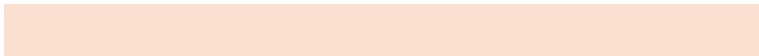
79.7657, 78.2838, 94.5706

# Triad

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



77.4067, 78.2838, 101.4730



77.5975, 78.2838, 71.1055



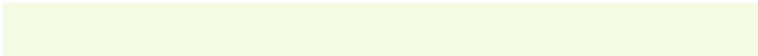
68.4646, 78.2838, 84.9310

# Complementary

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



77.4067, 78.2838, 101.4730



85.5721, 93.2768, 85.4494

# Split Complementary

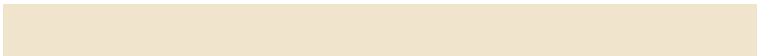
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.2927, 78.2838, 76.5400



77.4067, 78.2838, 101.4730



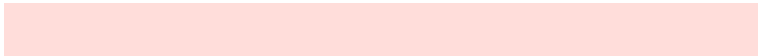
74.5137, 78.2838, 68.9157

# Square

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



77.4067, 78.2838, 101.4730



79.8781, 78.2838, 77.0362



71.4847, 78.2838, 70.8337



69.1905, 78.2838, 94.0017



# Rectangle

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



77.4067, 78.2838, 101.4730



80.5649, 78.2838, 88.6213



71.4847, 78.2838, 70.8337



68.5700, 78.2838, 81.9414

# Sweetspot

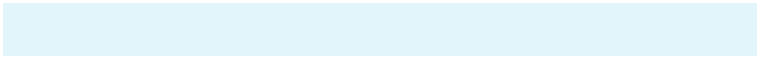
The Sweet Spot groups the original color and five complimentary colors.



77.4090, 78.2871, 101.4747



90.4645, 94.0851, 108.0000



81.3349, 88.4991, 103.2389



19.1068, 19.8080, 23.0662



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.



77.4090, 78.2871, 101.4747



77.6947, 77.6975, 105.5099



81.3474, 80.3174, 101.6590



16.6207, 16.8171, 21.7553



10.0006, 4.0982, 48.2375



1.0099, 0.4227, 4.4715



# Inverse Universe

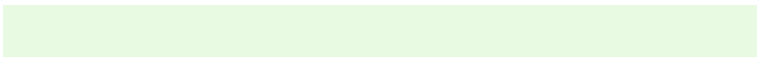
The Inverse Universe completely reimagines the original color for something new.



83.1049, 81.3128, 97.7049



85.0442, 81.6030, 100.5874



81.5852, 91.2214, 85.2629



17.8291, 17.4590, 20.9559



26.3693, 12.9635, 29.7170

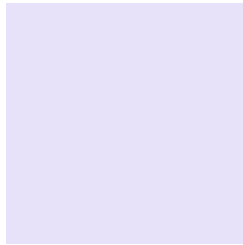


2.4798, 1.2156, 2.9499



# Previews

## White Background



This preview shows how the XYZ color 77.4067, 78.2838, 101.4730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

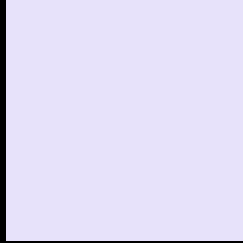
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4067, 78.2838, 101.4730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

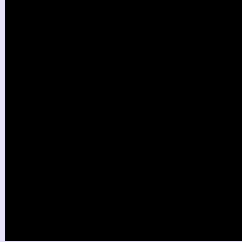
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.4067, 78.2838, 101.4730**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4067, 78.2838, 101.4730.



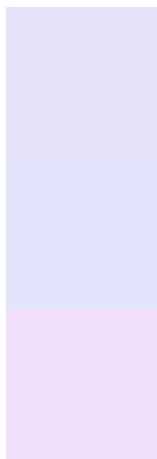
This preview shows how white text looks on a background with the XYZ color 77.4067, 78.2838,

101.4730.

# 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

77.4067, 78.2838, 101.4730

### Protanopia

76.5602, 78.2341, 102.3323

### Deuteranopia

80.0759, 78.4412, 102.1870



## Tritanopia

76.5836, 78.3537, 97.4736

# Trichromacy



## Original Color

77.4067, 78.2838, 101.4730

## Protanomaly

76.8766, 78.3972, 102.3471

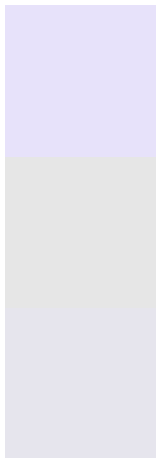
## Deuteranomaly

78.9933, 78.2809, 102.2131

## Tritanomaly

76.8907, 78.4766, 99.0906

# Monochromacy



## Original Color

77.4067, 78.2838, 101.4730

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.9385, 78.9760, 91.3623

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4067, 78.2838, 101.4730 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(231, 226, 250) looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 250)  
}
```

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(231, 226, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4067, 78.2838, 101.4730 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(231, 226, 250) }
```



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

```
.border{ border-color:rgb(231, 226, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 250);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4067, 78.2838, 101.4730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 250) }
```

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

```
.background{ background-color: rgb(231,  
226, 250) }
```

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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