

# Converting Colors

XYZ(85.2791, 81.2867,  
138.2189)

Have a look what the booklet for  
XYZ(85.2791, 81.2867, 138.2189)  
contains.

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# Color

**XYZ(78.9069, 78.5629,  
105.6130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAE1FF
RGB	234, 225, 255
RGB Percent	92%, 88%, 100%
CMY	0.0823, 0.1176, 0.0000
CMYK	0.08, 0.12, 0.00, 0.00
HSL	258°, 100%, 94%
HSV	258°, 12%, 100%
XYZ	78.9069, 78.5629, 105.6130
YIQ	231.1110, -4.2660, 11.2380

# Conversions

## Conversions Part 2

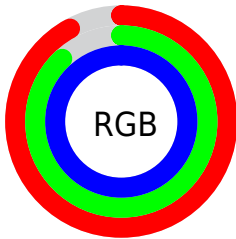
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 225, 255
Decimal	15393279
CIE Lab	91.04, 8.56, -13.43
CIE LCh	91, 15.929, 302.516
Yxy	78.5629, 0.2999, 0.2986
Android (android.graphics.Color)	4293583359 (0xFFEAE1FF)
<b>YUV</b>	231.1110, 11.7773, 2.5337
Hunter-Lab	88.6357, 3.7950, -8.6014

# Details

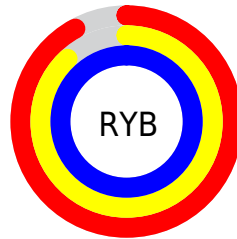
The XYZ color **78.9069, 78.5629, 105.6130** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.3586, 96.5500, 85.2698**, and the grayscale version is **75.9575, 79.9133, 87.0255**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.9279, 42.2916, 59.3266** is the 20% darker color. If you saturate the color by 10%, you get **66.9533, 62.9217, 103.2240**, and if you desaturate by 10%, it is **92.4847, 96.5739, 108.3739**.

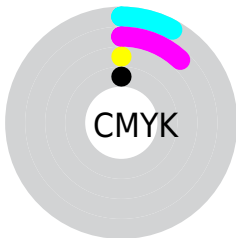
# Distribution



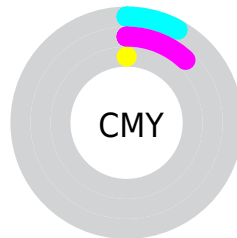
- Red (92%)
- Green (88%)
- Blue (100%)



- Red (92%)
- Yellow (88%)
- Blue (100%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9069, 78.5629, 105.6130 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 78.9069, 78.5629, 105.6130 by changing the saturation by 10% instead.



78.9069, 78.5629,  
105.6130

78.9069, 78.5629,  
105.6130

480.0342,  
490.0764, 599.4422

59.1246, 58.5365,  
80.3535

130.7864,  
131.3433, 170.9685

42.9602, 42.2401,  
59.4814

163.6144,  
164.8662, 211.9015

30.0483, 29.2894,  
42.5782

201.5216,  
203.6566, 258.8962

20.0235, 19.2998,  
29.2254

244.8734,  
248.0990, 312.3709

12.5205, 11.8871,  
19.0043

294.0352,  
298.5778, 372.7444

7.1739, 6.6669,  
11.4966

349.3724,

3.6184, 3.2546,

355.4773, 440.4350

6.2835

411.2503,  
419.1821, 515.8615

■ 1.4886, 1.2661,  
2.9467

■ 0.3181, 0.1147,  
1.0675

■ 78.9069, 78.5629,  
105.6130

■ 78.9069, 78.5629,  
105.6130

■ 66.9533, 62.9217,  
103.2240

■ 92.4847, 96.5739,  
108.3739

■ 56.5547, 49.5406,  
101.1893

95.0500, 100.0000,  
108.9000

■ 47.6461, 38.3158,  
99.4922

■ 40.1553, 29.1312,  
98.1142

■ 34.0036, 21.8596,  
97.0349

■ 29.1042, 16.3592,  
96.2314

■ 25.3586, 12.4675,  
95.6777

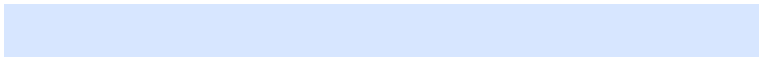
■ 22.6514, 9.9903,  
95.3422

■ 21.0691, 8.7764,  
95.1913

# Harmonies

## Analogous

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



75.0117, 78.5629, 109.6347



78.9069, 78.5629, 105.6130



81.7456, 78.5629, 96.1771

# Triad

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



78.9069, 78.5629, 105.6130



78.2984, 78.5629, 67.3569



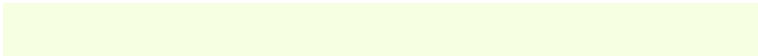
67.2081, 78.5629, 86.5177

# Complementary

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



78.9069, 78.5629, 105.6130



87.3586, 96.5500, 85.2698

# Split Complementary

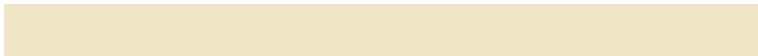
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0181, 78.5629, 75.7206



78.9069, 78.5629, 105.6130



74.3327, 78.5629, 65.2653

# Square

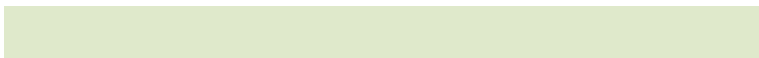
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9069, 78.5629, 105.6130



81.3855, 78.5629, 74.1786



70.5908, 78.5629, 68.1894



68.3376, 78.5629, 98.0097



# Rectangle

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



78.9069, 78.5629, 105.6130



82.6059, 78.5629, 88.4594



70.5908, 78.5629, 68.1894



67.2625, 78.5629, 82.6887

# Sweetspot

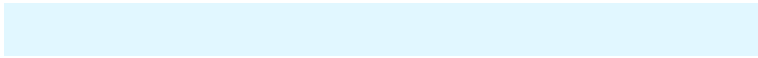
The Sweet Spot groups the original color and five complimentary colors.



78.9090, 78.5661, 105.6136



89.3035, 92.3346, 107.7233



82.2116, 89.4455, 107.5394



18.8897, 19.4642, 23.0113



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.



78.9090, 78.5661, 105.6136



76.0955, 74.8640, 105.0473



83.8660, 81.1216, 105.8456



17.5151, 17.6418, 22.7320



11.1397, 4.6532, 49.7456



1.1892, 0.5070, 4.8485



# Inverse Universe

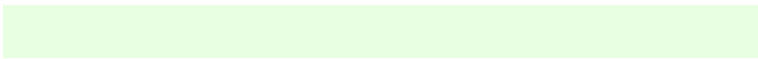
The Inverse Universe completely reimagines the original color for something new.



84.8018, 81.7674, 98.5047



83.0234, 78.6291, 96.6218



82.4694, 94.0295, 85.0410



18.5469, 18.2021, 21.4973



25.8440, 12.8269, 23.6265

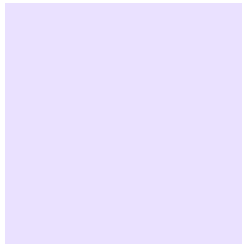


2.5647, 1.2682, 2.5549



# Previews

## White Background



This preview shows how the XYZ color 78.9069, 78.5629, 105.6130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

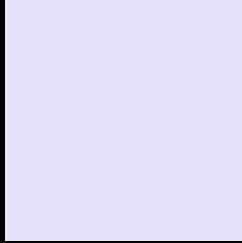
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.9069, 78.5629, 105.6130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

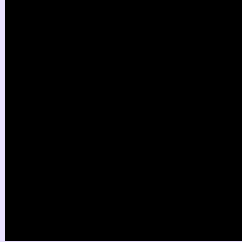
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 78.9069, 78.5629, 105.6130

## Background



This preview shows how black text looks on a background with the XYZ color 78.9069, 78.5629, 105.6130.



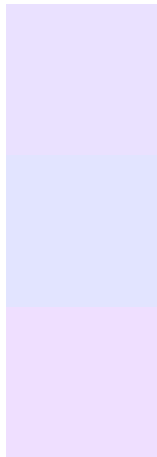
This preview shows how white text looks on a background with the XYZ color 78.9069, 78.5629,



# 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

78.9069, 78.5629, 105.6130

### Protanopia

77.1574, 78.8756, 105.7656

### Deuteranopia

80.0343, 78.3461, 105.5118



## **Tritanopia**

77.2292, 78.6865, 97.5038

# Trichromacy



## Original Color

78.9069, 78.5629, 105.6130

## Protanomaly

77.8322, 78.8162, 105.7186

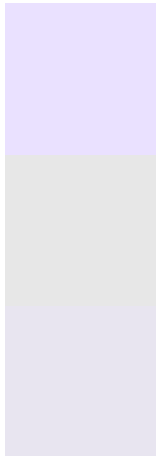
## Deuteranomaly

79.6307, 78.5358, 105.5697

## Tritanomaly

77.8995, 78.5559, 100.6796

# Monochromacy



## Original Color

78.9069, 78.5629, 105.6130

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

77.0262, 79.4857, 93.7206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.9069, 78.5629, 105.6130 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(234, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 225, 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(234, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 225, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 78.9069, 78.5629, 105.6130 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(234, 225, 255) }
```



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

```
.border{ border-color:rgb(234, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 225,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.9069, 78.5629, 105.6130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 225, 255) }
```

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

```
.background{ background-color: rgb(234,  
225, 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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