

# Converting Colors

XYZ(69.9326, 68.8849, 88.9689)

Have a look what the booklet for  
XYZ(69.9326, 68.8849, 88.9689)  
contains.

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# Color

**XYZ(69.7986, 68.8134,  
88.9604)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D3EC
RGB	226, 211, 236
RGB Percent	89%, 83%, 93%
CMY	0.1137, 0.1725, 0.0745
CMYK	0.04, 0.11, 0.00, 0.07
HSL	276°, 40%, 88%
HSV	276°, 11%, 93%
XYZ	69.7986, 68.8134, 88.9604
YIQ	218.3350, 0.9150, 10.9550

# Conversions

## Conversions Part 2

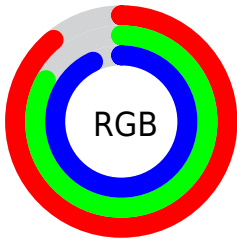
Format	Color
R <sub>Y</sub> B	226, 211, 236
Decimal	14865388
CIE Lab	86.41, 9.67, -10.40
CIE LCh	86, 14.201, 312.920
Yxy	68.8134, 0.3067, 0.3024
Android (android.graphics.Color)	4293055468 (0xFFE2D3EC)
YUV	218.3350, 8.7088, 6.7222
Hunter-Lab	82.9538, 5.0233, -5.5154

# Details

The XYZ color **69.7986, 68.8134, 88.9604** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **71.5746, 80.0680, 73.3137**, and the grayscale version is **66.8148, 70.2943, 76.5505**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9213, 35.7301, 48.1307** is the 20% darker color. If you saturate the color by 10%, you get **61.4817, 56.4534, 87.0141**, and if you desaturate by 10%, it is **79.1433, 82.9848, 91.2043**.

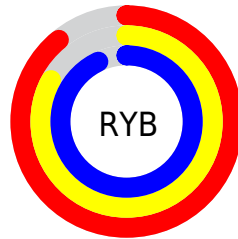
# Distribution



Red (89%)

Green (83%)

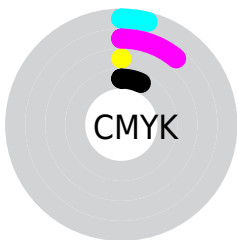
Blue (93%)



Red (89%)

Yellow (83%)

Blue (93%)

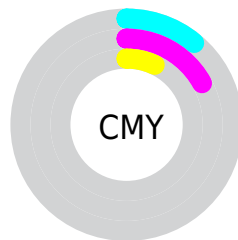


Cyan (4%)

Magenta (11%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (17%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7986, 68.8134, 88.9604 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 69.7986, 68.8134, 88.9604 by changing the saturation by 10% instead.



69.7986, 68.8134,  
88.9604

69.7986, 68.8134,  
88.9604

449.1200,  
456.3726, 545.1258

51.6414, 50.5598,  
66.5499

117.9493,  
117.5150, 147.8164

36.9424, 35.8584,  
48.2596

148.6735,  
148.7318, 185.0989

25.3364, 24.3248,  
33.6711

184.3175,  
185.0384, 228.1759

16.4579, 15.5748,  
22.3657

225.2464,  
226.8192, 277.4658

9.9417, 9.2237,  
13.9250

271.8258,  
274.4586, 333.3872

5.4223, 4.8874,  
7.9304

324.4210,

2.5344, 2.1814,

328.3411, 396.3586

3.9633

383.3972,  
388.8509, 466.7987

■ 0.9126, 0.7098,  
1.6052

■ 0.0000, 0.0000,  
0.2945

■ 69.7986, 68.8134,  
88.9604

■ 69.7986, 68.8134,  
88.9604

■ 61.4817, 56.4534,  
87.0141

■ 79.1433, 82.9848,  
91.2043

■ 54.1466, 45.8199,  
85.3482

■ 88.5163, 96.9678,  
93.4093

■ 47.7525, 36.8343,  
83.9508

■ 91.8927, 98.7085,  
93.5673

■ 42.2533, 29.4083,  
82.8073

■ 92.1405, 98.8362,  
93.5789

■ 37.5985, 23.4451,  
81.9016

■ 33.7320, 18.8367,  
81.2159

■ 30.5898, 15.4596,  
80.7297

■ 28.0961, 13.1668,  
80.4185

■ 26.2255, 11.7707,  
80.2477

# Harmonies

## Analogous

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



66.8266, 68.8134, 93.9646



69.7986, 68.8134, 88.9604



71.6267, 68.8134, 80.3625

# Triad

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



69.7986, 68.8134, 88.9604



67.2767, 68.8134, 58.9394



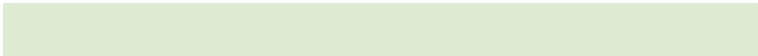
59.4432, 68.8134, 79.0413

# Complementary

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



69.7986, 68.8134, 88.9604



71.5746, 80.0680, 73.3137

# 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.



59.5546, 68.8134, 69.7406



69.7986, 68.8134, 88.9604



64.0038, 68.8134, 58.6503

# Square

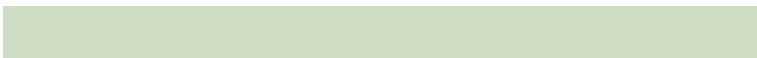
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.7986, 68.8134, 88.9604



70.1376, 68.8134, 63.2770



61.1999, 68.8134, 62.4513



60.8904, 68.8134, 87.9237



# Rectangle

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



69.7986, 68.8134, 88.9604



71.9142, 68.8134, 74.0091



61.1999, 68.8134, 62.4513



59.3011, 68.8134, 75.8507

# Sweetspot

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



69.8006, 68.8163, 88.9619



91.5409, 94.6400, 108.0504



67.9735, 71.8410, 89.6420



19.3969, 19.9575, 23.0798



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.



69.8006, 68.8163, 88.9619



80.6597, 78.2139, 105.4533



72.7276, 70.3600, 87.5281



15.0980, 14.9958, 19.0210



14.6058, 6.5655, 44.2404



1.2550, 0.5713, 3.4790



# Inverse Universe

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



70.9399, 69.6449, 78.1139



82.3330, 79.4275, 89.6735



68.8827, 78.6499, 74.5599



15.3151, 15.1539, 16.9447



20.2515, 10.3033, 7.1258

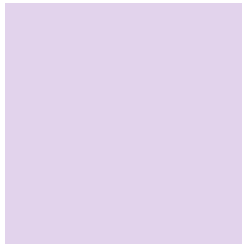


1.6366, 0.8276, 0.8037



# Previews

## White Background



This preview shows how the XYZ color 69.7986, 68.8134, 88.9604 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

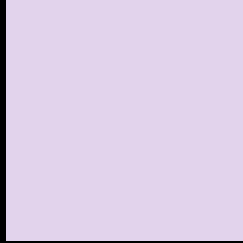
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.7986, 68.8134, 88.9604 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

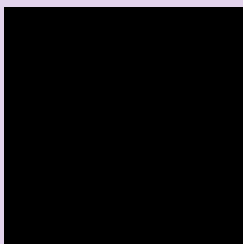
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.7986, 68.8134, 88.9604**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.7986, 68.8134, 88.9604.



This preview shows how white text looks on a background with the XYZ color 69.7986, 68.8134,



# 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

69.7986, 68.8134, 88.9604

### Protanopia

67.4646, 69.0701, 90.6650

### Deuteranopia

70.1818, 68.6433, 88.9074



## Tritanopia

68.7377, 68.7517, 83.7763

# Trichromacy



## Original Color

69.7986, 68.8134, 88.9604

## Protanomaly

68.2461, 69.1130, 89.8639

## Deuteranomaly

69.8655, 68.4802, 88.8926

## Tritanomaly

69.1603, 68.9207, 86.0018

# Monochromacy



## Original Color

69.7986, 68.8134, 88.9604

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.7098, 69.4093, 81.0628

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7986, 68.8134, 88.9604 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(226, 211, 236)` looks like.

```
.text, #text, p{  
    color:rgb(226, 211, 236)  
}
```

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(226, 211, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 211, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7986, 68.8134, 88.9604 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(226, 211, 236) }
```



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

```
.border{ border-color:rgb(226, 211, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 211, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 211, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 211, 236);  
box-shadow:4px 4px 4px 4px rgb(226, 211,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7986, 68.8134, 88.9604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 211, 236) }
```

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

```
.background{ background-color: rgb(226,  
211, 236) }
```

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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