

# Converting Colors

XYZ(74.9462, 75.1965, 88.6073)

Have a look what the booklet for  
XYZ(74.9462, 75.1965, 88.6073)  
contains.

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# Color

**XYZ(74.9687, 75.3156,  
88.4280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBDDEA
RGB	235, 221, 234
RGB Percent	92%, 87%, 92%
CMY	0.0784, 0.1333, 0.0823
CMYK	0.00, 0.06, 0.00, 0.08
HSL	304°, 26%, 89%
HSV	304°, 6%, 92%
XYZ	74.9687, 75.3156, 88.4280
YIQ	226.6680, 4.1710, 7.0110

# Conversions

## Conversions Part 2

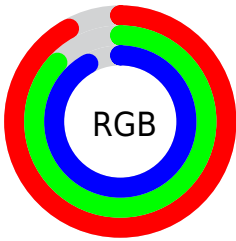
Format	Color
R <sub>Y</sub> B	235, 221, 234
Decimal	15457770
CIE Lab	89.54, 7.06, -4.63
CIE LCh	90, 8.441, 326.725
Yxy	75.3156, 0.3141, 0.3155
Android (android.graphics.Color)	4293647850 (0xFFE8DDEA)
YUV	226.6680, 3.6147, 7.3072
Hunter-Lab	86.7846, 2.3239, 0.3364

# Details

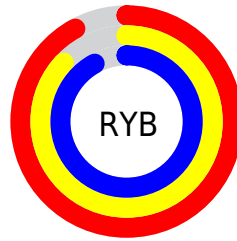
The XYZ color **74.9687, 75.3156, 88.4280** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.7148, 80.0648, 80.7327**, and the grayscale version is **72.7469, 76.5354, 83.3470**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2625, 40.0705, 47.7318** is the 20% darker color. If you saturate the color by 10%, you get **68.9540, 63.6694, 85.2394**, and if you desaturate by 10%, it is **81.8585, 88.7061, 91.9214**.

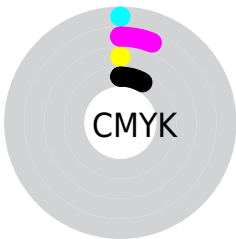
# Distribution



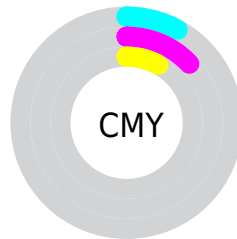
- Red (92%)
- Green (87%)
- Blue (92%)



- Red (92%)
- Yellow (87%)
- Blue (92%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (8%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9687, 75.3156, 88.4280 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 74.9687, 75.3156, 88.4280 by changing the saturation by 10% instead.



74.9687, 75.3156,  
88.4280

74.9687, 75.3156,  
88.4280

466.8088,  
479.0016, 543.3414

55.8813, 55.8715,  
66.1112

125.2562,  
126.7590, 147.0693

40.3444, 40.0999,  
47.9057

157.1870,  
159.5271, 184.2308

27.9926, 27.6164,  
33.3927

194.1298,  
197.5053, 227.1777

18.4605, 18.0367,  
22.1539

236.4497,  
241.0780, 276.3285

11.3828, 10.9764,  
13.7706

284.5122,  
290.6295, 332.1018

6.3941, 6.0509,  
7.8244

338.6827,

3.1291, 2.8761,

346.5444, 394.9160

3.8966

399.3264,  
409.2070, 465.1897

■ 1.2224, 1.0674,  
1.5688

■ 0.1239, 0.0000,  
0.2684

■ 74.9687, 75.3156,  
88.4280

■ 74.9687, 75.3156,  
88.4280

■ 68.9540, 63.6694,  
85.2394

■ 81.8585, 88.7061,  
91.9214

■ 63.7720, 53.6859,  
82.3386

■ 85.3602, 95.3179,  
94.2959

■ 59.3864, 45.2918,  
79.7146

■ 85.6072, 95.4167,  
95.5968

■ 55.7560, 38.4042,  
77.3535

■ 85.8566, 95.5165,  
96.9099

52.8355, 32.9330,  
75.2402

86.1082, 95.6171,  
98.2351

50.5751, 28.7783,  
73.3580

86.3622, 95.7187,  
99.5725

48.9182, 25.8271,  
71.6882

86.6185, 95.8212,  
100.9222

47.7991, 23.9479,  
70.2086

86.8771, 95.9247,  
102.2841

47.1362, 22.9774,  
68.8921

87.1381, 96.0291,  
103.6584

# Harmonies

## Analogous

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



73.3923, 75.3156, 92.6272



74.9687, 75.3156, 88.4280



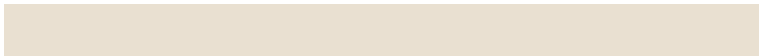
75.6377, 75.3156, 82.6595

# Triad

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



74.9687, 75.3156, 88.4280



71.8131, 75.3156, 71.1317



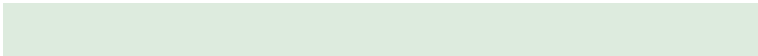
68.0847, 75.3156, 87.2460

# Complementary

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



74.9687, 75.3156, 88.4280



72.7148, 80.0648, 80.7327

# 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.



67.6801, 75.3156, 81.3557



74.9687, 75.3156, 88.4280



69.8081, 75.3156, 72.2292

# Square

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



74.9687, 75.3156, 88.4280



73.7939, 75.3156, 72.8299



68.3051, 75.3156, 75.9025



69.4211, 75.3156, 91.9220



# Rectangle

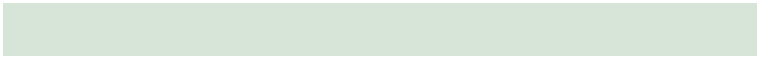
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9687, 75.3156, 88.4280



75.4697, 75.3156, 78.7653



68.3051, 75.3156, 75.9025



67.8364, 75.3156, 85.3342

# Sweetspot

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



74.9709, 75.3189, 88.4296



93.3859, 96.7656, 108.0561



70.9589, 73.2340, 88.9941



20.0059, 20.7457, 23.1373



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.



74.9709, 75.3189, 88.4296



89.4129, 89.0534, 106.0113



73.9942, 74.9282, 83.2867



15.9193, 15.7858, 18.9236



26.1463, 12.6612, 38.1671



2.0671, 0.9998, 3.0705



# Inverse Universe

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



74.9709, 75.3189, 88.4296



89.4129, 89.0534, 106.0113



73.6633, 80.4442, 85.7271



15.9193, 15.7858, 18.9236



26.1463, 12.6612, 38.1671

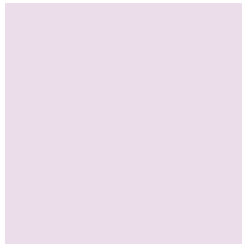


2.0671, 0.9998, 3.0705



# Previews

## White Background



This preview shows how the XYZ color 74.9687, 75.3156, 88.4280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

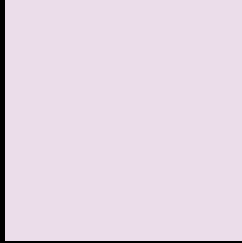
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9687, 75.3156, 88.4280 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

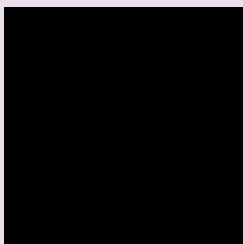
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.9687, 75.3156, 88.4280**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9687, 75.3156, 88.4280.



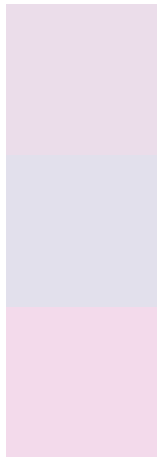
This preview shows how white text looks on a background with the XYZ color 74.9687, 75.3156,

88.4280.

# 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

74.9687, 75.3156, 88.4280

### Protanopia

73.1600, 75.5362, 90.0809

### Deuteranopia

77.0289, 75.1957, 89.0516



## Tritanopia

75.6179, 75.1923, 91.4170

# Trichromacy



## Original Color

74.9687, 75.3156, 88.4280

## Protanomaly

73.6962, 75.4315, 89.2728

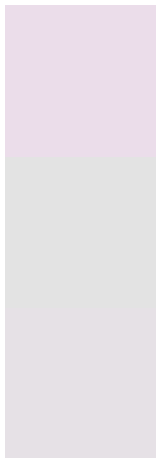
## Deuteranomaly

76.2621, 75.1865, 89.0903

## Tritanomaly

75.4713, 75.1337, 90.6452

# Monochromacy



## Original Color

74.9687, 75.3156, 88.4280

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.8413, 76.3866, 85.7151

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9687, 75.3156, 88.4280 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(235, 221, 234) looks like.

```
.text, #text, p{  
    color:rgb(235, 221, 234)  
}
```

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(235, 221, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 221, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9687, 75.3156, 88.4280 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(235, 221, 234) }
```



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

```
.border{ border-color:rgb(235, 221, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 221, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(235, 221,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9687, 75.3156, 88.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 221, 234) }
```

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

```
.background{ background-color: rgb(235,  
221, 234) }
```

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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