

# Converting Colors

XYZ(75.4300, 75.8371, 85.9003)

Have a look what the booklet for  
XYZ(75.4300, 75.8371, 85.9003)  
contains.

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# Color

**XYZ(75.4701, 76.0166,  
86.2963)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDDEE7
RGB	237, 222, 231
RGB Percent	93%, 87%, 91%
CMY	0.0706, 0.1294, 0.0941
CMYK	0.00, 0.06, 0.03, 0.07
HSL	324°, 29%, 90%
HSV	324°, 6%, 93%
XYZ	75.4701, 76.0166, 86.2963
YIQ	227.5110, 6.0510, 5.9790

# Conversions

## Conversions Part 2

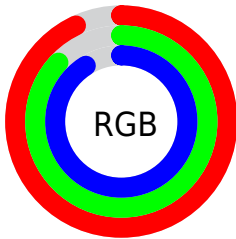
Format	Color
R <sub>Y</sub> B	237, 222, 231
Decimal	15589095
CIE Lab	89.87, 6.68, -2.56
CIE LCh	90, 7.151, 339.049
Yxy	76.0166, 0.3174, 0.3197
Android (android.graphics.Color)	4293779175 (0xFFEDDEE7)
YUV	227.5110, 1.7201, 8.3219
Hunter-Lab	87.1875, 1.9327, 2.3473

# Details

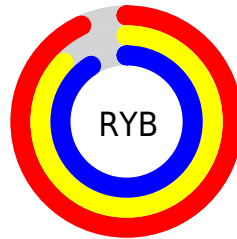
The XYZ color **75.4701, 76.0166, 86.2963** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.4148, 81.7013, 85.2505**, and the grayscale version is **73.3723, 77.1934, 84.0636**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6126, 40.5563, 46.2451** is the 20% darker color. If you saturate the color by 10%, you get **68.3099, 63.7809, 77.4805**, and if you desaturate by 10%, it is **83.5920, 90.0575, 95.7925**.

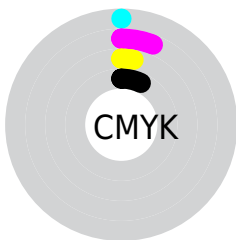
# Distribution



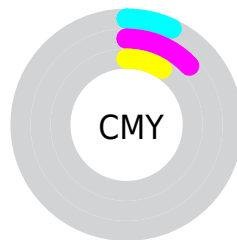
- Red (93%)
- Green (87%)
- Blue (91%)



- Red (93%)
- Yellow (87%)
- Blue (91%)



- Cyan (0%)
- Magenta (6%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (13%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4701, 76.0166, 86.2963 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 75.4701, 76.0166, 86.2963 by changing the saturation by 10% instead.



75.4701, 76.0166,  
86.2963

75.4701, 76.0166,  
86.2963

468.5041,  
481.4045, 536.1638

56.2936, 56.4461,  
64.3567

125.9619,  
127.7504, 144.0731

40.6763, 40.5607,  
46.4916

158.0080,  
160.6825, 180.7474

28.2528, 27.9760,  
32.2825

195.0747,  
198.8372, 223.1703

18.6577, 18.3076,  
21.3108

237.5273,  
242.5990, 271.7605

11.5258, 11.1710,  
13.1579

285.7312,  
292.3522, 326.9363

6.4915, 6.1820,  
7.4054

340.0517,

3.1897, 2.9561,

348.4813, 389.1165

3.6346

400.8542,  
411.3706, 458.7195

■ 1.2548, 1.1088,  
1.4271

■ 0.1490, 0.0000,  
0.1627

■ 75.4701, 76.0166,  
86.2963

■ 75.4701, 76.0166,  
86.2963

■ 68.3099, 63.7809,  
77.4805

■ 83.5920, 90.0575,  
95.7925

■ 62.0671, 53.2666,  
69.3219

■ 87.9355, 96.4248,  
104.3919

■ 56.7033, 44.3981,  
61.8030

■ 88.7355, 96.7447,  
108.6045

■ 52.1751, 37.0900,  
54.9034

■ 48.4349, 31.2495,  
48.6012

■ 45.4303, 26.7737,  
42.8727

■ 43.1022, 23.5462,  
37.6918

■ 41.3813, 21.4311,  
33.0288

■ 40.1819, 20.2585,  
28.8482

# Harmonies

## Analogous

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



74.4124, 76.0166, 90.5556



75.4701, 76.0166, 86.2963



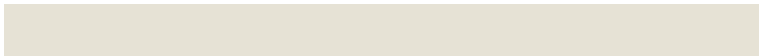
75.6579, 76.0166, 81.2486

# Triad

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



75.4701, 76.0166, 86.2963



71.7186, 76.0166, 73.5297



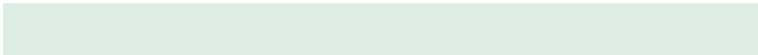
69.6457, 76.0166, 89.0497

# Complementary

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



75.4701, 76.0166, 86.2963



74.4148, 81.7013, 85.2505

# 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.



68.9489, 76.0166, 84.3085



75.4701, 76.0166, 86.2963



70.1328, 76.0166, 75.4423

# Square

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



75.4701, 76.0166, 86.2963



73.4728, 76.0166, 74.0132



69.1257, 76.0166, 79.3395



71.0438, 76.0166, 92.1898

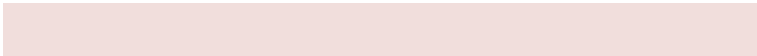


# Rectangle

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



75.4701, 76.0166, 86.2963



75.2616, 76.0166, 78.1352



69.1257, 76.0166, 79.3395



69.3227, 76.0166, 87.5828

# Sweetspot

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



75.4723, 76.0199, 86.2979



93.1177, 96.6583, 106.6438



73.4052, 74.8547, 90.7013



19.9513, 20.7239, 22.8499



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.



75.4723, 76.0199, 86.2979



87.5974, 87.1533, 100.0701



74.4358, 75.6053, 80.8398



15.4449, 15.2058, 17.6280



21.8073, 10.9256, 15.3183



1.7597, 0.8768, 1.4519



# Inverse Universe

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



75.4723, 76.0199, 86.2979



87.5974, 87.1533, 100.0701



75.4785, 82.1268, 90.8518



15.4449, 15.2058, 17.6280



21.8073, 10.9256, 15.3183

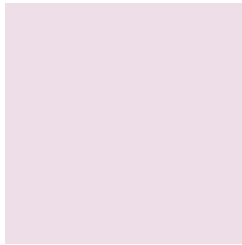


1.7597, 0.8768, 1.4519



# Previews

## White Background



This preview shows how the XYZ color 75.4701, 76.0166, 86.2963 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

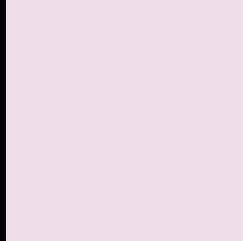
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4701, 76.0166, 86.2963 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

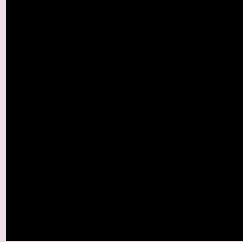
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.4701, 76.0166, 86.2963**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.4701, 76.0166, 86.2963.



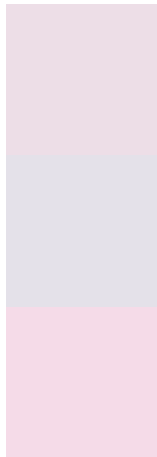
This preview shows how white text looks on a background with the XYZ color 75.4701, 76.0166,



# 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

75.4701, 76.0166, 86.2963

### Protanopia

73.6281, 76.2276, 87.9236

### Deuteranopia

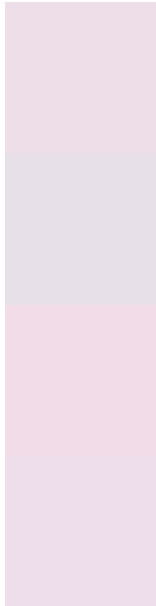
77.5532, 75.9017, 86.9069



## Tritanopia

76.5490, 76.0631, 91.5360

# Trichromacy



## Original Color

75.4701, 76.0166, 86.2963

## Protanomaly

74.1761, 76.1264, 87.1283

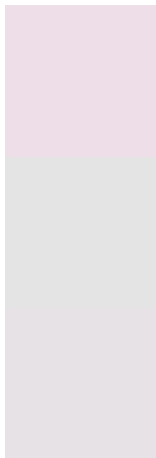
## Deuteranomaly

76.7766, 75.8898, 86.9456

## Tritanomaly

76.1117, 75.8882, 89.2336

# Monochromacy



## Original Color

75.4701, 76.0166, 86.2963

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.2942, 77.0388, 85.0830

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4701, 76.0166, 86.2963 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, 222, 231)` looks like.

```
.text, #text, p{  
    color:rgb(237, 222, 231)  
}
```

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, 222, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 222, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4701, 76.0166, 86.2963 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, 222, 231) }
```



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

```
.border{ border-color:rgb(237, 222, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 222, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 222, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 222, 231);  
box-shadow:4px 4px 4px 4px rgb(237, 222,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4701, 76.0166, 86.2963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 222, 231) }
```

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

```
.background{ background-color: rgb(237,  
222, 231) }
```

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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