

# Converting Colors

XYZ(75.0644, 75.4306, 85.4662)

Have a look what the booklet for  
XYZ(75.0644, 75.4306, 85.4662)  
contains.

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# Color

**XYZ(75.0644, 75.4306,  
85.4662)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EDDDE6
RGB	237, 221, 230
RGB Percent	93%, 87%, 90%
CMY	0.0706, 0.1333, 0.0980
CMYK	0.00, 0.07, 0.03, 0.07
HSL	326°, 31%, 90%
HSV	326°, 7%, 93%
XYZ	75.0644, 75.4306, 85.4662
YIQ	226.8100, 6.6470, 6.1910

# Conversions

## Conversions Part 2

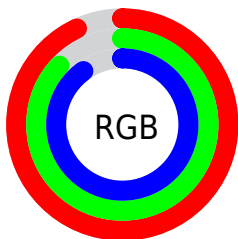
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 221, 230
Decimal	15588838
CIE Lab	89.59, 7.02, -2.43
CIE LCh	90, 7.431, 340.900
Yxy	75.4306, 0.3181, 0.3197
Android (android.graphics.Color)	4293778918 (0xFFEDDDE6)
YUV	226.8100, 1.5727, 8.9366
Hunter-Lab	86.8508, 2.2871, 2.4508

# Details

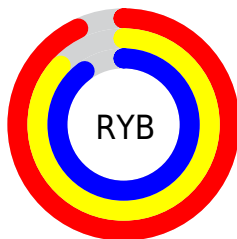
The XYZ color **75.0644, 75.4306, 85.4662** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.1094, 81.5439, 85.2362**, and the grayscale version is **72.8630, 76.6575, 83.4801**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4301, 40.1913, 46.1842** is the 20% darker color. If you saturate the color by 10%, you get **67.8305, 63.2239, 76.0822**, and if you desaturate by 10%, it is **83.2725, 89.4451, 95.6044**.

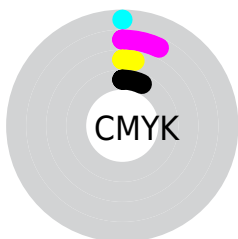
# Distribution



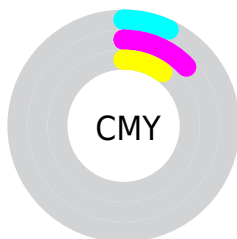
- Red (93%)
- Green (87%)
- Blue (90%)



- Red (93%)
- Yellow (87%)
- Blue (90%)



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




- Cyan (7%)
- Magenta (13%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0644, 75.4306, 85.4662 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 75.0644, 75.4306, 85.4662 by changing the saturation by 10% instead.




 75.0644, 75.4306,  
85.4662

 75.0644, 75.4306,  
85.4662


467.1327,  
479.3963, 533.3542

 55.9600, 55.9657,  
63.6743


125.3909,  
126.9217, 142.9043

 40.4077, 40.1754,  
45.9424


157.3438,  
159.7167, 179.3875

 28.0422, 27.6754,  
31.8521

194.3102,  
197.7239, 221.6050

 18.4981, 18.0811,  
20.9846

236.6555,  
241.3277, 269.9752

 11.4100, 11.0082,  
12.9216

284.7450,  
290.9124, 324.9167

 6.4127, 6.0724,  
7.2445

338.9442,

 3.1406, 2.8891,

346.8625, 386.8480

3.5347

399.6183,  
409.5623, 456.1876

■ 1.2286, 1.0741,  
1.3737

■ 0.1287, 0.0000,  
0.1211

■ 75.0644, 75.4306,  
85.4662

■ 75.0644, 75.4306,  
85.4662

■ 67.8305, 63.2239,  
76.0822

■ 83.2725, 89.4451,  
95.6044

■ 61.5261, 52.7409,  
67.4273

■ 88.0577, 96.4736,  
105.0354

■ 56.1125, 43.9055,  
59.4819

■ 88.7355, 96.7447,  
108.6045

■ 51.5455, 36.6321,  
52.2236

■ 47.7772, 30.8273,  
45.6284

■ 44.7543, 26.3874,  
39.6703

■ 42.4170, 23.1952,  
34.3207

■ 40.6951, 21.1136,  
29.5475

■ 39.5002, 19.9684,  
25.3121

# Harmonies

## Analogous

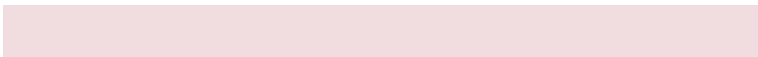
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.0185, 75.4306, 89.9699



75.0644, 75.4306, 85.4662



75.1985, 75.4306, 80.2439

# Triad

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



75.0644, 75.4306, 85.4662



71.0325, 75.4306, 72.6457



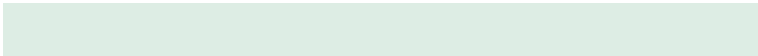
69.0728, 75.4306, 88.8936

# Complementary

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



75.0644, 75.4306, 85.4662



74.1094, 81.5439, 85.2362

# Split Complementary

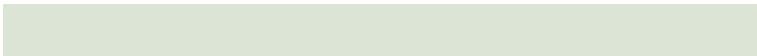
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.3011, 75.4306, 84.0476



75.0644, 75.4306, 85.4662



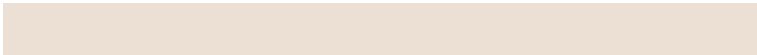
69.4197, 75.4306, 74.7613

# Square

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



75.0644, 75.4306, 85.4662



72.8498, 75.4306, 72.9893



68.4270, 75.4306, 78.8839



70.5515, 75.4306, 92.0061

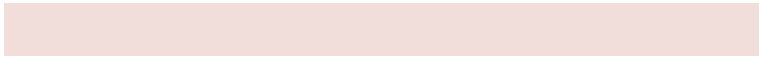


# Rectangle

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



75.0644, 75.4306, 85.4662



74.7502, 75.4306, 77.0737



68.4270, 75.4306, 78.8839



68.7232, 75.4306, 87.4050

# Sweetspot

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



75.0666, 75.4339, 85.4678



93.0873, 96.6462, 106.4834



73.1191, 74.3141, 90.6120



19.9451, 20.7214, 22.8173



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.



75.0666, 75.4339, 85.4678



87.4797, 87.1062, 99.4500



73.9779, 74.9984, 79.7349



15.4203, 15.1960, 17.4984



21.4573, 10.7856, 13.4752



1.7331, 0.8662, 1.3120



# Inverse Universe

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



75.0666, 75.4339, 85.4678



87.4797, 87.1062, 99.4500



75.2359, 81.9945, 91.1684



15.4203, 15.1960, 17.4984



21.4573, 10.7856, 13.4752

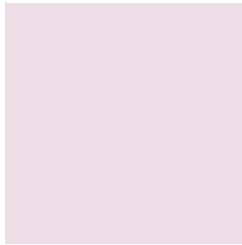


1.7331, 0.8662, 1.3120



# Previews

## White Background



This preview shows how the XYZ color 75.0644, 75.4306, 85.4662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

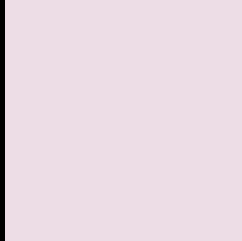
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0644, 75.4306, 85.4662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

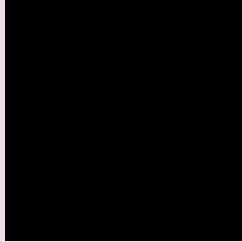
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

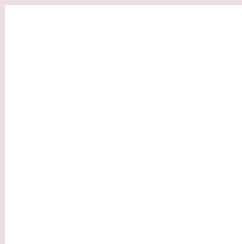
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.0644, 75.4306, 85.4662

## Background



This preview shows how black text looks on a background with the XYZ color 75.0644, 75.4306, 85.4662.



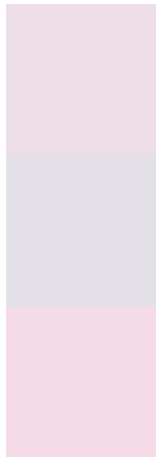
This preview shows how white text looks on a background with the XYZ color 75.0644, 75.4306,

85.4662.

# 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

75.0644, 75.4306, 85.4662

### Protanopia

72.8997, 75.4684, 87.0686

### Deuteranopia

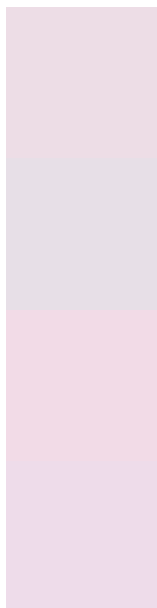
77.1514, 75.3248, 86.0741



## Tritanopia

76.1392, 75.4780, 90.6765

# Trichromacy



## Original Color

75.0644, 75.4306, 85.4662

## Protanomaly

73.7665, 75.5338, 86.2929

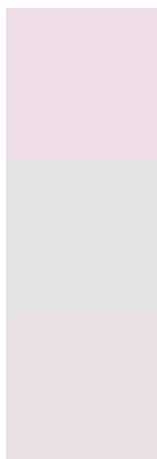
## Deuteranomaly

76.3733, 75.3098, 86.1122

## Tritanomaly

75.7044, 75.3041, 88.3870

# Monochromacy



## Original Color

75.0644, 75.4306, 85.4662

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.8838, 76.4408, 84.2592

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0644, 75.4306, 85.4662 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, 221, 230)` looks like.

```
.text, #text, p{  
    color:rgb(237, 221, 230)  
}
```

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, 221, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 221, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0644, 75.4306, 85.4662 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, 221, 230) }
```



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

```
.border{ border-color:rgb(237, 221, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 221, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 221, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 221, 230);  
box-shadow:4px 4px 4px 4px rgb(237, 221,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0644, 75.4306, 85.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 221, 230) }
```

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

```
.background{ background-color: rgb(237,  
221, 230) }
```

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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