

# Converting Colors

XYZ(75.5839, 76.9611, 87.8469)

Have a look what the booklet for  
XYZ(75.5839, 76.9611, 87.8469)  
contains.

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# Color

**XYZ(75.6246, 76.8567,  
87.9398)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBE0E9
RGB	235, 224, 233
RGB Percent	92%, 88%, 91%
CMY	0.0784, 0.1215, 0.0863
CMYK	0.00, 0.05, 0.01, 0.08
HSL	311°, 22%, 90%
HSV	311°, 5%, 92%
XYZ	75.6246, 76.8567, 87.9398
YIQ	228.3150, 3.6670, 5.1310

# Conversions

## Conversions Part 2

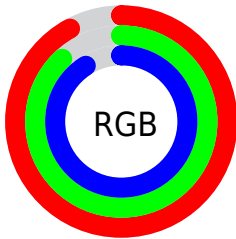
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">235, 224, 233</a>
Decimal	<a href="#">15458537</a>
CIELab	<a href="#">90.26, 5.32, -3.05</a>
CIELCh	<a href="#">90, 6.133, 330.132</a>
Yxy	<a href="#">76.8567, 0.3146, 0.3197</a>
Android (android.graphics.Color)	<a href="#">4293648617 (0xFFEBE0E9)</a>
YUV	<a href="#">228.3150, 2.3097, 5.8627</a>
Hunter-Lab	<a href="#">87.6680, 0.5597, 1.8937</a>

# Details

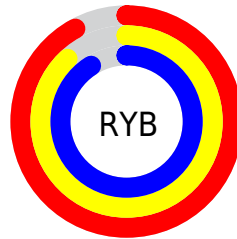
The XYZ color **75.6246, 76.8567, 87.9398** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.1792, 80.7570, 83.6335**, and the grayscale version is **73.9570, 77.8085, 84.7335**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7142, 41.1340, 47.3888** is the 20% darker color. If you saturate the color by 10%, you get **69.1378, 64.8474, 82.8022**, and if you desaturate by 10%, it is **83.0035, 90.6243, 93.4496**.

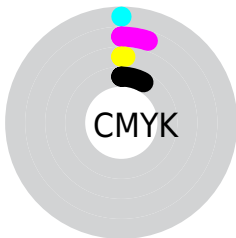
# Distribution



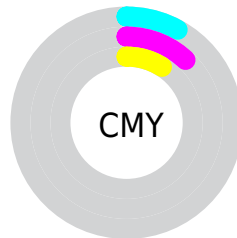
- Red (92%)
- Green (88%)
- Blue (91%)



- Red (92%)
- Yellow (88%)
- Blue (91%)



- Cyan (0%)
- Magenta (5%)
- Yellow (1%)
- Black (8%)




- Cyan (8%)
- Magenta (12%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.6246, 76.8567, 87.9398 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 75.6246, 76.8567, 87.9398 by changing the saturation by 10% instead.




 75.6246, 76.8567,  
87.9398

 75.6246, 76.8567,  
87.9398


469.0258,  
484.2753, 541.7023

 56.4207, 57.1353,  
65.7092


126.1793,  
128.9372, 146.3837

 40.7787, 41.1139,  
47.5814


158.2608,  
162.0650, 183.4341

 28.3331, 28.4081,  
33.1378


195.3656,  
200.4304, 226.2615

 18.7186, 18.6335,  
21.9601

237.8590,  
244.4179, 275.2844

 11.5699, 11.4057,  
13.6295

286.1064,  
294.4117, 330.9214

 6.5217, 6.3404,  
7.7277

340.4731,

 3.2084, 3.0532,

350.7962, 393.5910

3.8359

401.3244,  
413.9560, 463.7118

■ 1.2649, 1.1596,  
1.5358

■ 0.1567, 0.0283,  
0.2444

■ 75.6246, 76.8567,  
87.9398

■ 75.6246, 76.8567,  
87.9398

■ 69.1378, 64.8474,  
82.8022

■ 83.0035, 90.6243,  
93.4496

■ 63.5007, 54.5152,  
78.0193

■ 85.9809, 95.5662,  
97.5649

■ 58.6775, 45.7874,  
73.5797

■ 86.6290, 95.8254,  
100.9776

■ 54.6271, 38.5820,  
69.4691

■ 87.2922, 96.0907,  
104.4699

■ 51.3048, 32.8097,  
65.6722

■ 87.9706, 96.3621,  
108.0422

■ 48.6612, 28.3721,  
62.1718

■ 88.0714, 96.4024,  
108.5734

■ 46.6408, 25.1582,  
58.9491

■ 45.1790, 23.0390,  
55.9818

■ 44.1968, 21.8568,  
53.2432

# Harmonies

## Analogous

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



74.5331, 76.8567, 91.1656



75.6246, 76.8567, 87.9398



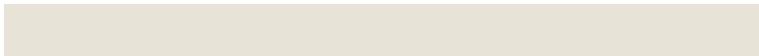
76.0242, 76.8567, 83.6646

# Triad

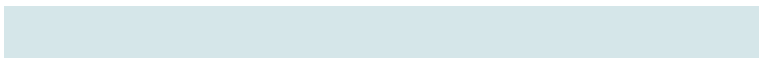
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.6246, 76.8567, 87.9398



73.0432, 76.8567, 75.5572



70.5411, 76.8567, 87.9744

# Complementary

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



75.6246, 76.8567, 87.9398



74.1792, 80.7570, 83.6335

# 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.



70.1544, 76.8567, 83.7032



75.6246, 76.8567, 87.9398



71.5867, 76.8567, 76.6231

# Square

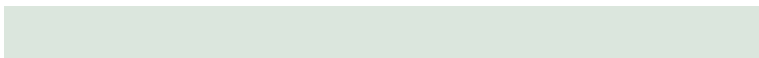
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.6246, 76.8567, 87.9398



74.5213, 76.8567, 76.6049



70.5345, 76.8567, 79.5675



71.5982, 76.8567, 91.1861

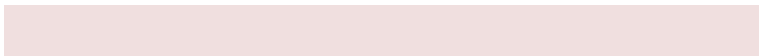


# Rectangle

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



75.6246, 76.8567, 87.9398



75.8402, 76.8567, 80.8243



70.5345, 76.8567, 79.5675



70.3290, 76.8567, 86.6101

# Sweetspot

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



75.6268, 76.8600, 87.9415



94.1673, 98.3539, 108.2378



72.9661, 75.4552, 89.3170



20.1650, 21.0691, 23.1743



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.



75.6268, 76.8600, 87.9415



89.9170, 90.4457, 104.9947



74.8765, 76.5599, 83.9906



15.9958, 16.0155, 18.7123



24.4226, 11.9717, 29.0907



1.9483, 0.9523, 2.4453



# Inverse Universe

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



75.6268, 76.8600, 87.9415



89.9170, 90.4457, 104.9947



74.9223, 81.0542, 87.5467



15.9958, 16.0155, 18.7123



24.4226, 11.9717, 29.0907

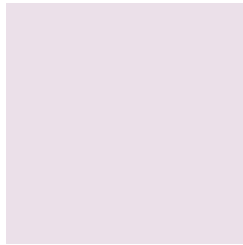


1.9483, 0.9523, 2.4453



# Previews

## White Background



This preview shows how the XYZ color 75.6246, 76.8567, 87.9398 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

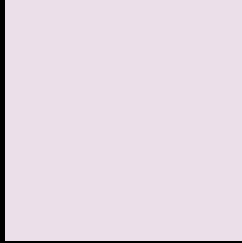
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.6246, 76.8567, 87.9398 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

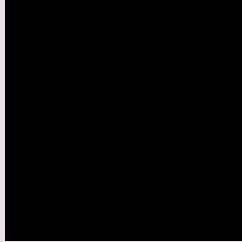
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

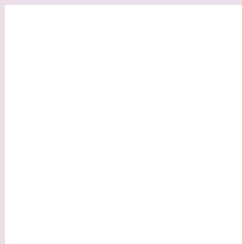
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.6246, 76.8567, 87.9398**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.6246, 76.8567, 87.9398.



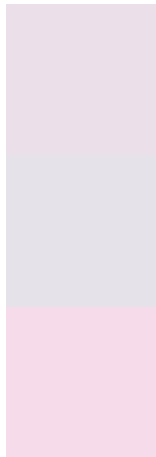
This preview shows how white text looks on a background with the XYZ color 75.6246, 76.8567,

87.9398.

# 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

75.6246, 76.8567, 87.9398

### Protanopia

74.3607, 76.9912, 88.7835

### Deuteranopia

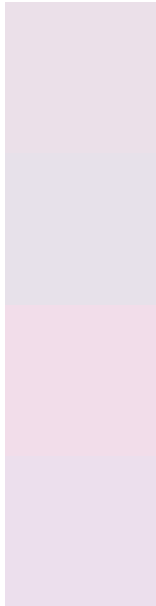
78.4505, 76.7197, 88.5155



## **Tritanopia**

76.7079, 76.8995, 93.2382

# Trichromacy



## Original Color

75.6246, 76.8567, 87.9398

## Protanomaly

74.7315, 76.7799, 88.7231

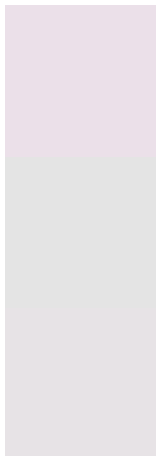
## Deuteranomaly

77.3257, 76.5307, 88.5383

## Tritanomaly

76.2658, 76.7226, 90.9101

# Monochromacy



## Original Color

75.6246, 76.8567, 87.9398

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.7070, 77.6403, 85.9115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.6246, 76.8567, 87.9398 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, 224, 233) looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 233)  
}
```

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, 224, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 75.6246, 76.8567, 87.9398 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, 224, 233) }
```



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

```
.border{ border-color:rgb(235, 224, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 224, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 233);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.6246, 76.8567, 87.9398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 233) }
```

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

```
.background{ background-color: rgb(235,  
224, 233) }
```

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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