

# Converting Colors

XYZ(75.2785, 77.3224, 86.7066)

Have a look what the booklet for  
XYZ(75.2785, 77.3224, 86.7066)  
contains.

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# **Color**

**XYZ(75.2244, 77.4859,  
86.5928)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9E2E7
RGB	233, 226, 231
RGB Percent	91%, 89%, 91%
CMY	0.0863, 0.1137, 0.0941
CMYK	0.00, 0.03, 0.01, 0.09
HSL	317°, 14%, 90%
HSV	317°, 3%, 91%
XYZ	75.2244, 77.4859, 86.5928
YIQ	228.6630, 2.5670, 3.0390

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 226, 231
Decimal	15327975
CIE Lab	90.54, 3.25, -1.60
CIE LCh	91, 3.626, 333.813
Yxy	77.4859, 0.3143, 0.3238
Android (android.graphics.Color)	4293518055 (0xFFE9E2E7)
YUV	228.6630, 1.1521, 3.8035
Hunter-Lab	88.0261, -1.5050, 3.2936

# Details

The XYZ color **75.2244, 77.4859, 86.5928** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.5094, 80.0500, 84.9269**, and the grayscale version is **74.2210, 78.0862, 85.0359**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4322, 41.5681, 46.4499** is the 20% darker color. If you saturate the color by 10%, you get **68.3920, 65.2971, 79.7626**, and if you desaturate by 10%, it is **82.9580, 91.4176, 93.9019**.

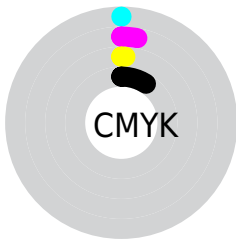
# Distribution



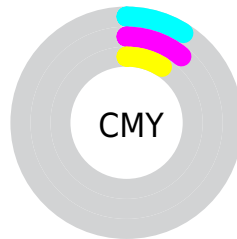
- Red (91%)
- Green (89%)
- Blue (91%)



- Red (91%)
- Yellow (89%)
- Blue (91%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.2244, 77.4859, 86.5928 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 75.2244, 77.4859, 86.5928 by changing the saturation by 10% instead.



75.2244, 77.4859,  
86.5928

75.2244, 77.4859,  
86.5928

467.6738,  
486.4191, 537.1653

56.0916, 57.6518,  
64.6006

125.6162,  
129.8252, 144.4903

40.5136, 41.5287,  
46.6880

157.6058,  
163.0990, 181.2326

28.1252, 28.7325,  
32.4365

194.6118,  
201.6217, 223.7288

18.5610, 18.8785,  
21.4275

236.9994,  
245.7774, 272.3973

11.4556, 11.5825,  
13.2426

285.1341,  
295.9506, 327.6566

6.4437, 6.4601,  
7.4631

339.3811,

3.1599, 3.1268,

352.5257, 389.9254

3.6706

400.1059,  
415.8871, 459.6221

■ 1.2389, 1.1983,  
1.4464

■ 0.1367, 0.0603,  
0.1775

■ 75.2244, 77.4859,  
86.5928

■ 75.2244, 77.4859,  
86.5928

■ 68.3920, 65.2971,  
79.7626

■ 82.9580, 91.4176,  
93.9019

■ 62.4193, 54.7720,  
73.3928

■ 85.7429, 95.3951,  
99.7390

■ 57.2712, 45.8403,  
67.4705

■ 86.7747, 95.8078,  
105.1722

■ 52.9078, 38.4225,  
61.9806

■ 87.4147, 96.0639,  
108.5427

■ 49.2857, 32.4325,  
56.9064

■ 46.3570, 27.7755,  
52.2301

■ 44.0683, 24.3449,  
47.9315

■ 42.3577, 22.0179,  
43.9879

■ 41.1506, 20.6459,  
40.3724

# Harmonies

## Analogous

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



74.6230, 77.4859, 88.5880



75.2244, 77.4859, 86.5928



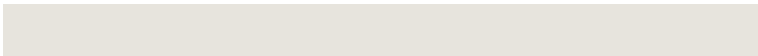
75.4022, 77.4859, 84.0372

# Triad

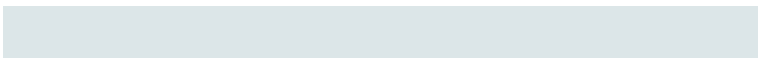
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.2244, 77.4859, 86.5928



73.5321, 77.4859, 79.4820



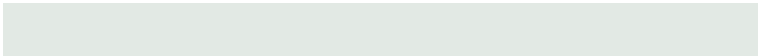
72.2082, 77.4859, 87.1795

# Complementary

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



75.2244, 77.4859, 86.5928



74.5094, 80.0500, 84.9269

# 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.



71.9213, 77.4859, 84.7016



75.2244, 77.4859, 86.5928



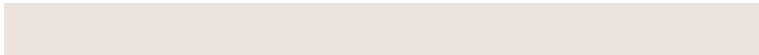
72.6816, 77.4859, 80.2861

# Square

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



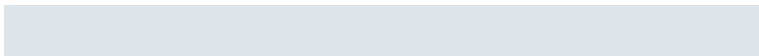
75.2244, 77.4859, 86.5928



74.4205, 77.4859, 79.9651



72.0938, 77.4859, 82.1835



72.8809, 77.4859, 88.9316

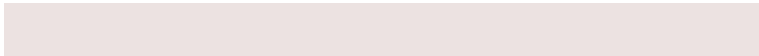


# Rectangle

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



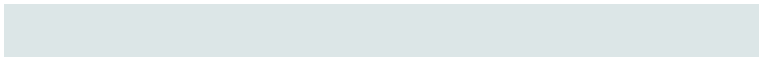
75.2244, 77.4859, 86.5928



75.2554, 77.4859, 82.3681



72.0938, 77.4859, 82.1835



72.0637, 77.4859, 86.4020

# Sweetspot

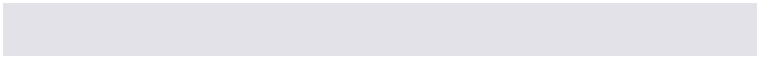
The Sweet Spot groups the original color and five complimentary colors.



75.2266, 77.4892, 86.5945



94.1247, 98.3369, 108.0137



73.8971, 76.7710, 88.0153



20.1563, 21.0657, 23.1287



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.



75.2266, 77.4892, 86.5945



91.4160, 93.4775, 105.3903



74.7398, 77.2945, 84.0310



16.2390, 16.5190, 18.7410



23.0499, 11.4226, 21.8617



1.8511, 0.9134, 1.9330



# Inverse Universe

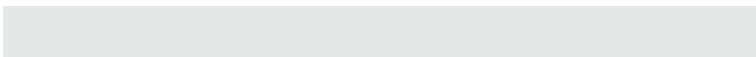
The Inverse Universe completely reimagines the original color for something new.



75.2266, 77.4892, 86.5945



91.4160, 93.4775, 105.3903



74.9976, 80.2452, 87.4975



16.2390, 16.5190, 18.7410



23.0499, 11.4226, 21.8617

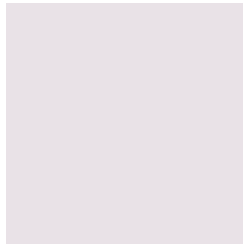


1.8511, 0.9134, 1.9330



# Previews

## White Background



This preview shows how the XYZ color 75.2244, 77.4859, 86.5928 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

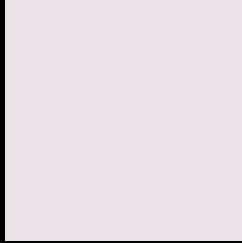
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.2244, 77.4859, 86.5928 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

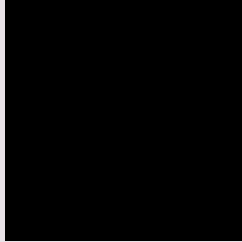
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

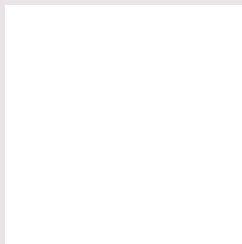
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.2244, 77.4859, 86.5928**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.2244, 77.4859, 86.5928.



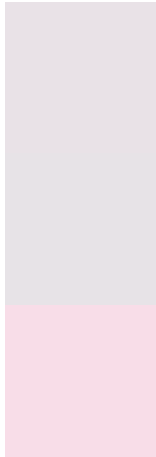
This preview shows how white text looks on a background with the XYZ color 75.2244, 77.4859,

86.5928.

# 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

75.2244, 77.4859, 86.5928

### Protanopia

74.8479, 77.6966, 86.6533

### Deuteranopia

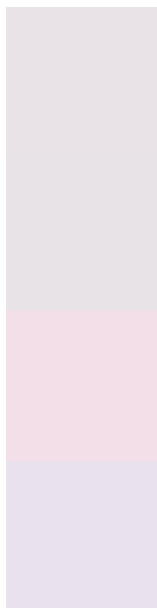
79.1333, 77.4956, 87.1313



## Tritanopia

76.9436, 77.3843, 94.8857

# Trichromacy



## Original Color

75.2244, 77.4859, 86.5928

## Protanomaly

75.1716, 77.8635, 86.6685

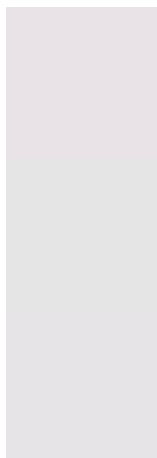
## Deuteranomaly

77.9153, 77.6562, 87.2265

## Tritanomaly

76.2895, 77.5159, 91.8301

# Monochromacy



## Original Color

75.2244, 77.4859, 86.5928

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.6595, 78.0230, 85.9879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.2244, 77.4859, 86.5928 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(233, 226, 231) looks like.

```
.text, #text, p{  
    color:rgb(233, 226, 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(233, 226, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 226, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 75.2244, 77.4859, 86.5928 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(233, 226, 231) }
```



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

```
.border{ border-color:rgb(233, 226, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 226, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 226, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 226, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 226,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.2244, 77.4859, 86.5928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 226, 231) }
```

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

```
.background{ background-color: rgb(233,  
226, 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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