

# Converting Colors

XYZ(75.7009, 78.4155, 86.9310)

Have a look what the booklet for  
XYZ(75.7009, 78.4155, 86.9310)  
contains.

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# Color

**XYZ(75.7715, 78.5800,  
86.7752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E4E7
RGB	233, 228, 231
RGB Percent	91%, 89%, 91%
CMY	0.0863, 0.1059, 0.0941
CMYK	0.00, 0.02, 0.01, 0.09
HSL	324°, 10%, 90%
HSV	324°, 2%, 91%
XYZ	75.7715, 78.5800, 86.7752
YIQ	229.8370, 2.0170, 1.9930

# Conversions

## Conversions Part 2

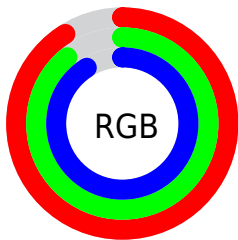
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 228, 231
Decimal	15328487
CIE Lab	91.04, 2.22, -0.87
CIE LCh	91, 2.385, 338.617
Yxy	78.5800, 0.3142, 0.3259
Android (android.graphics.Color)	4293518567 (0xFFE9E4E7)
YUV	229.8370, 0.5734, 2.7740
Hunter-Lab	88.6454, -2.5527, 4.0126

# Details

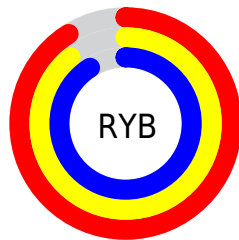
The XYZ color **75.7715, 78.5800, 86.7752** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.4197, 80.4870, 86.4274**, and the grayscale version is **75.0901, 79.0006, 86.0317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8129, 42.3294, 46.5768** is the 20% darker color. If you saturate the color by 10%, you get **68.5069, 66.1022, 78.0270**, and if you desaturate by 10%, it is **83.9746, 92.8203, 96.1845**.

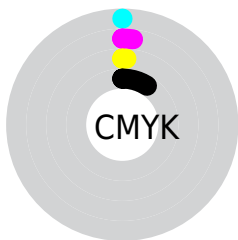
# Distribution



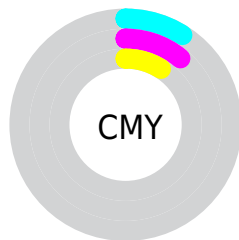
- Red (91%)
- Green (89%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (9%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7715, 78.5800, 86.7752 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 75.7715, 78.5800, 86.7752 by changing the saturation by 10% instead.



■ 75.7715, 78.5800,  
86.7752

■ 75.7715, 78.5800,  
86.7752

469.5216,  
490.1343, 537.7809

■ 56.5416, 58.5506,  
64.7506

126.3859,  
131.3674, 144.7469

■ 40.8760, 42.2514,  
46.8088

158.5011,  
164.8942, 181.5310

■ 28.4094, 29.2982,  
32.5313

195.6421,  
203.6888, 224.0722

■ 18.7766, 19.3065,  
21.4995

238.1743,  
248.1358, 272.7888

■ 11.6120, 11.8920,  
13.2948

286.4630,  
298.6194, 328.0994

■ 6.5504, 6.6702,  
7.4987

340.8735,

■ 3.2263, 3.2567,

355.5241, 390.4226

3.6928

401.7712,  
419.2343, 460.1769

■ 1.2746, 1.2672,  
1.4584

■ 0.1641, 0.1156,  
0.1866

■ 75.7715, 78.5800,  
86.7752

■ 75.7715, 78.5800,  
86.7752

■ 68.5069, 66.1022,  
78.0270

■ 83.9746, 92.8203,  
96.1845

■ 62.1387, 55.3077,  
69.9177

■ 86.5661, 95.7244,  
104.0739

■ 56.6315, 46.1263,  
62.4310

■ 87.4148, 96.0639,  
108.5427

■ 51.9447, 38.4787,  
55.5478

■ 48.0346, 32.2793,  
49.2477

■ 44.8530, 27.4337,  
43.5087

■ 42.3461, 23.8361,  
38.3069

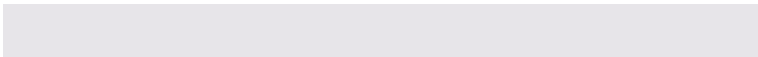
■ 40.4521, 21.3652,  
33.6154

■ 39.0970, 19.8748,  
29.4030

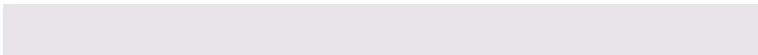
# Harmonies

## Analogous

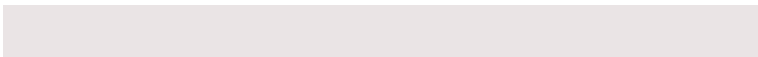
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4130, 78.5800, 88.1779



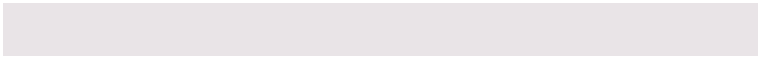
75.7715, 78.5800, 86.7752



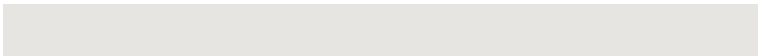
75.8388, 78.5800, 85.0643

# Triad

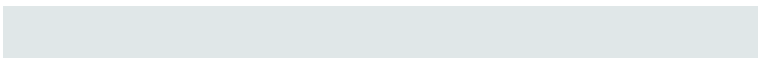
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.7715, 78.5800, 86.7752



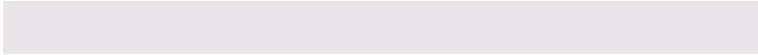
74.5145, 78.5800, 82.3228



73.7867, 78.5800, 87.6470

# Complementary

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



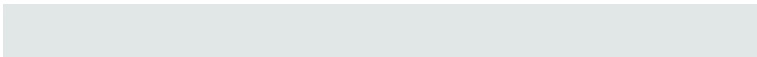
75.7715, 78.5800, 86.7752



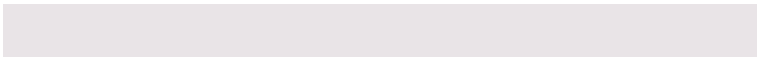
75.4197, 80.4870, 86.4274

# 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.



73.5488, 78.5800, 86.0582



75.7715, 78.5800, 86.7752



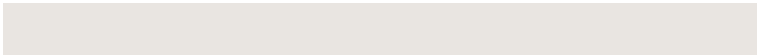
73.9675, 78.5800, 82.9949

# Square

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



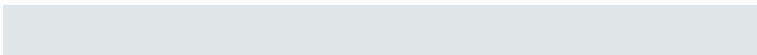
75.7715, 78.5800, 86.7752



75.1110, 78.5800, 82.5089



73.6147, 78.5800, 84.3567



74.2665, 78.5800, 88.6859



# Rectangle

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



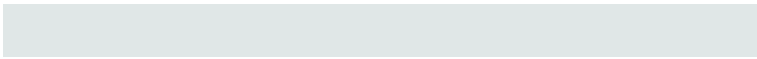
75.7715, 78.5800, 86.7752



75.7092, 78.5800, 83.9815



73.6147, 78.5800, 84.3567



73.6759, 78.5800, 87.1587

# Sweetspot

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



75.7737, 78.5834, 86.7769



94.0780, 98.3182, 107.7674



75.0875, 78.1968, 88.2279



20.1468, 21.0619, 23.0786



0.0000, 0.0000, 0.0000

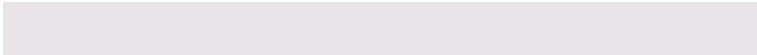


20.3446, 21.4041, 23.3091

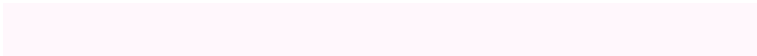


# Same Dimension

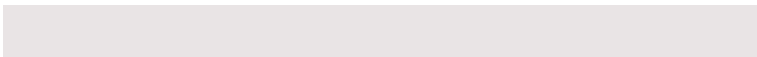
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.7737, 78.5834, 86.7769



92.1687, 95.0201, 105.5266



75.4235, 78.4433, 84.9328



16.3568, 16.7732, 18.7227



21.8053, 10.9248, 15.3078



1.7595, 0.8768, 1.4511

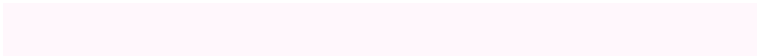


# Inverse Universe

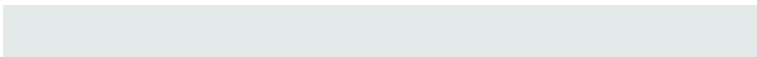
The Inverse Universe completely reimagines the original color for something new.



75.7737, 78.5834, 86.7769



92.1687, 95.0201, 105.5266



75.7729, 80.6283, 88.2874



16.3568, 16.7732, 18.7227



21.8053, 10.9248, 15.3078

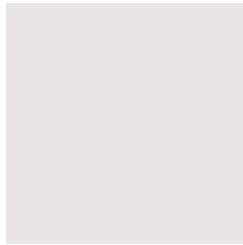


1.7595, 0.8768, 1.4511



# Previews

## White Background



This preview shows how the XYZ color 75.7715, 78.5800, 86.7752 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

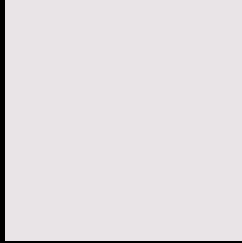
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.7715, 78.5800, 86.7752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

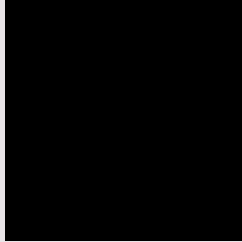
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

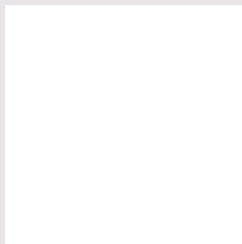
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.7715, 78.5800, 86.7752

## Background



This preview shows how black text looks on a background with the XYZ color 75.7715, 78.5800, 86.7752.



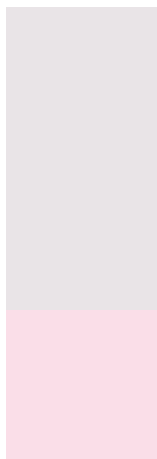
This preview shows how white text looks on a background with the XYZ color 75.7715, 78.5800,

86.7752.

# 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

75.7715, 78.5800, 86.7752

### Protanopia

75.7715, 78.5800, 86.7752

### Deuteranopia

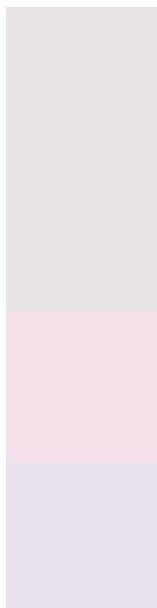
80.1111, 78.3927, 87.2529



## Tritanopia

77.7864, 78.5865, 96.6569

# Trichromacy



## Original Color

75.7715, 78.5800, 86.7752

## Protanomaly

75.7715, 78.5800, 86.7752

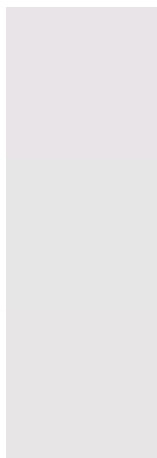
## Deuteranomaly

78.5294, 78.3706, 87.3320

## Tritanomaly

76.9808, 78.6626, 92.7874

# Monochromacy



## Original Color

75.7715, 78.5800, 86.7752

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.2572, 78.7407, 86.0949

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.7715, 78.5800, 86.7752 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, 228, 231) looks like.

```
.text, #text, p{  
    color:rgb(233, 228, 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, 228, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 228, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 75.7715, 78.5800, 86.7752 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, 228, 231) }
```



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

```
.border{ border-color:rgb(233, 228, 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, 228, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 228, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 228, 231);  
box-shadow:4px 4px 4px 4px rgb(233, 228,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.7715, 78.5800, 86.7752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 228, 231) }
```

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

```
.background{ background-color: rgb(233,  
228, 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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