

# Converting Colors

XYZ(75.1870, 77.7041, 86.6052)

Have a look what the booklet for  
XYZ(75.1870, 77.7041, 86.6052)  
contains.

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# **Color**

**XYZ(75.1716, 77.8635,  
86.6685)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E3E7
RGB	232, 227, 231
RGB Percent	91%, 89%, 91%
CMY	0.0902, 0.1098, 0.0941
CMYK	0.00, 0.02, 0.00, 0.09
HSL	312°, 10%, 90%
HSV	312°, 2%, 91%
XYZ	75.1716, 77.8635, 86.6685
YIQ	228.9510, 1.6960, 2.3040

# Conversions

## Conversions Part 2

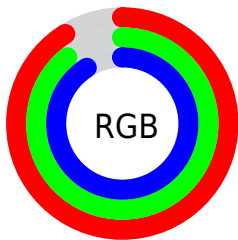
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 227, 231
Decimal	15262695
CIE Lab	90.72, 2.40, -1.36
CIE LCh	91, 2.757, 330.537
Yxy	77.8635, 0.3136, 0.3248
Android (android.graphics.Color)	4293452775 (0xFFE8E3E7)
YUV	228.9510, 1.0102, 2.6740
Hunter-Lab	88.2403, -2.3570, 3.5343

# Details

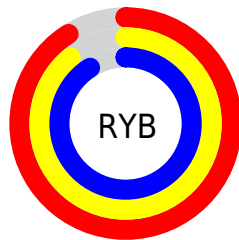
The XYZ color **75.1716, 77.8635, 86.6685** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.5417, 79.6476, 84.8475**, and the grayscale version is **74.4340, 78.3104, 85.2800**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3949, 41.8303, 46.5025** is the 20% darker color. If you saturate the color by 10%, you get **68.6025, 65.7600, 81.2867**, and if you desaturate by 10%, it is **82.6175, 91.6907, 92.4303**.

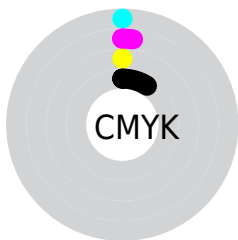
# Distribution



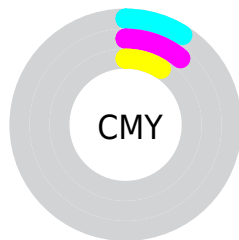
- Red (91%)
- Green (89%)
- Blue (91%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1716, 77.8635, 86.6685 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 75.1716, 77.8635, 86.6685 by changing the saturation by 10% instead.



■ 75.1716, 77.8635,  
86.6685

■ 75.1716, 77.8635,  
86.6685

467.4953,  
487.7031, 537.4208

■ 56.0482, 57.9619,  
64.6628

125.5418,  
130.3577, 144.5968

■ 40.4787, 41.7780,  
46.7381

157.5194,  
163.7190, 181.3565

■ 28.0978, 28.9275,  
32.4758

194.5123,  
202.3357, 223.8713

■ 18.5403, 19.0260,  
21.4574

236.8859,  
246.5921, 272.5598

■ 11.4406, 11.6890,  
13.2643

285.0057,  
296.8727, 327.8404

■ 6.4335, 6.5323,  
7.4779

339.2370,

■ 3.1535, 3.1714,

353.5618, 390.1318

3.6798

399.9450,  
417.0438, 459.8524

■ 1.2355, 1.2218,  
1.4514

■ 0.1341, 0.0794,  
0.1813

■ 75.1716, 77.8635,  
86.6685

■ 75.1716, 77.8635,  
86.6685

■ 68.6025, 65.7600,  
81.2867

■ 82.6175, 91.6907,  
92.4303

■ 62.8695, 55.3021,  
76.2678

■ 84.8102, 94.9845,  
96.5267

■ 57.9385, 46.4208,  
71.6008

■ 85.5102, 95.2645,  
100.2125

■ 53.7704, 39.0381,  
67.2720

■ 86.2279, 95.5516,  
103.9921

■ 50.3228, 33.0695,  
63.2665

■ 86.9636, 95.8458,  
107.8661

■ 47.5493, 28.4220,  
59.5681

■ 87.0892, 95.8961,  
108.5274

■ 45.3975, 24.9916,  
56.1589

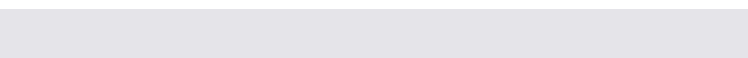
■ 43.8075, 22.6586,  
53.0180

■ 42.7071, 21.2786,  
50.1207

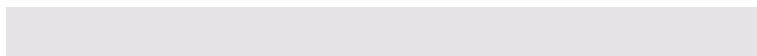
# Harmonies

## Analogous

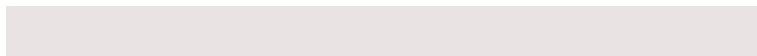
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6851, 77.8635, 88.1052



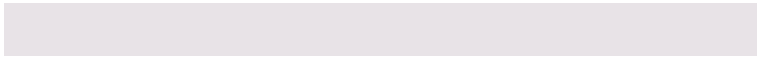
75.1716, 77.8635, 86.6685



75.3456, 77.8635, 84.7444

# Triad

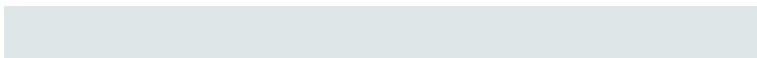
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1716, 77.8635, 86.6685



73.9945, 77.8635, 81.0260



72.8667, 77.8635, 86.7313

# Complementary

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



75.1716, 77.8635, 86.6685



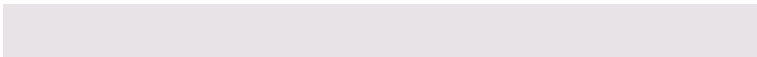
74.5417, 79.6476, 84.8475

# 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.



72.6842, 77.8635, 84.8158



75.1716, 77.8635, 86.6685



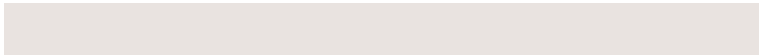
73.3328, 77.8635, 81.5398

# Square

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



75.1716, 77.8635, 86.6685



74.6634, 77.8635, 81.5050



72.8543, 77.8635, 82.9194



73.3543, 77.8635, 88.1418

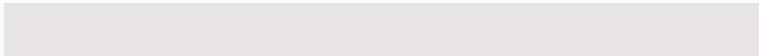


# Rectangle

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



75.1716, 77.8635, 86.6685



75.2601, 77.8635, 83.4502



72.8543, 77.8635, 82.9194



72.7678, 77.8635, 86.1241

# Sweetspot

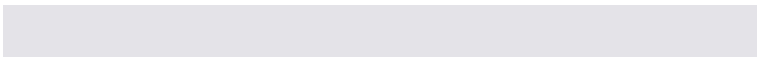
The Sweet Spot groups the original color and five complimentary colors.



75.1738, 77.8669, 86.6702



94.1598, 98.3510, 108.1984



74.0327, 77.2622, 87.3562



20.1635, 21.0685, 23.1663



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

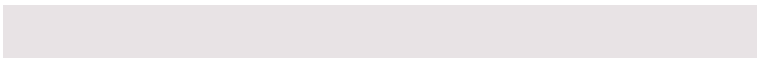
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1738, 77.8669, 86.6702



92.4123, 95.1176, 106.8095



74.8235, 77.7267, 84.8255



15.6583, 16.0254, 18.1372



23.4159, 11.5006, 26.8827



1.7619, 0.8625, 2.1525



# Inverse Universe

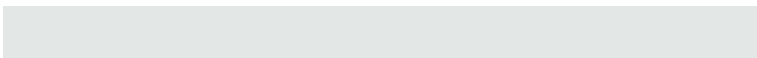
The Inverse Universe completely reimagines the original color for something new.



75.1738, 77.8669, 86.6702



92.4123, 95.1176, 106.8095



74.8910, 79.7873, 86.6869



15.6583, 16.0254, 18.1372



23.4159, 11.5006, 26.8827

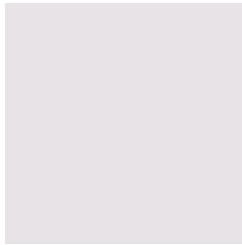


1.7619, 0.8625, 2.1525



# Previews

## White Background



This preview shows how the XYZ color 75.1716, 77.8635, 86.6685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

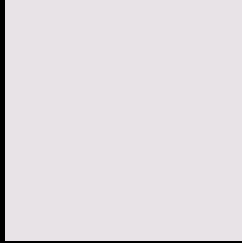
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1716, 77.8635, 86.6685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

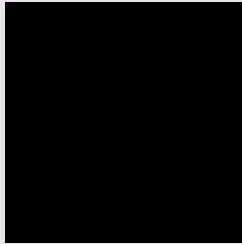
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

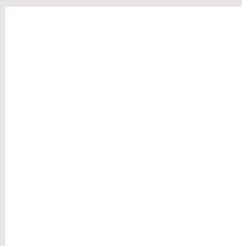
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 75.1716, 77.8635, 86.6685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.1716, 77.8635, 86.6685.



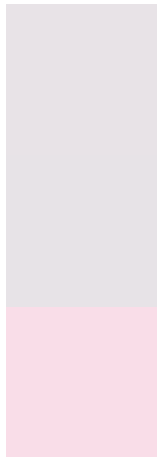
This preview shows how white text looks on a background with the XYZ color 75.1716, 77.8635,

86.6685.

# 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

75.1716, 77.8635, 86.6685

### Protanopia

74.8479, 77.6966, 86.6533

### Deuteranopia

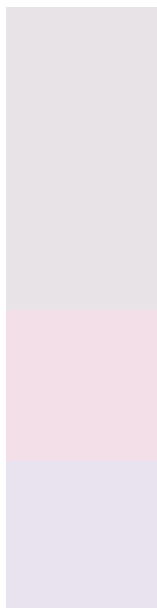
79.4889, 77.6788, 87.1479



## Tritanopia

77.0346, 77.8139, 95.7534

# Trichromacy



## Original Color

75.1716, 77.8635, 86.6685

## Protanomaly

74.8479, 77.6966, 86.6533

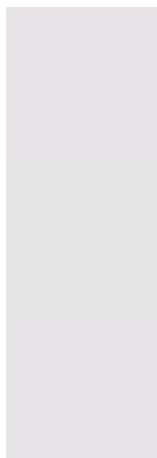
## Deuteranomaly

77.9153, 77.6562, 87.2265

## Tritanomaly

76.3806, 77.9483, 92.6812

# Monochromacy



## Original Color

75.1716, 77.8635, 86.6685

## 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 75.1716, 77.8635, 86.6685 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(232, 227, 231) looks like.

```
.text, #text, p{  
    color:rgb(232, 227, 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(232, 227, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 227, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1716, 77.8635, 86.6685 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(232, 227, 231) }
```



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

```
.border{ border-color:rgb(232, 227, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 227, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 227, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 227, 231);  
box-shadow:4px 4px 4px 4px rgb(232, 227,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1716, 77.8635, 86.6685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 227, 231) }
```

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

```
.background{ background-color: rgb(232,  
227, 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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