

# Converting Colors

XYZ(74.7500, 77.7601, 83.3181)

Have a look what the booklet for  
XYZ(74.7500, 77.7601, 83.3181)  
contains.

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# **Color**

**XYZ(74.8008, 77.7528,  
83.0169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E3E2
RGB	233, 227, 226
RGB Percent	91%, 89%, 89%
CMY	0.0863, 0.1098, 0.1137
CMYK	0.00, 0.03, 0.03, 0.09
HSL	9°, 14%, 90%
HSV	9°, 3%, 91%
XYZ	74.8008, 77.7528, 83.0169
YIQ	228.6800, 3.8970, 0.9610

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	233, 227, 226
Decimal	15328226
CIE Lab	90.67, 1.86, 1.20
CIE LCh	91, 2.210, 32.811
Yxy	77.7528, 0.3175, 0.3301
Android (android.graphics.Color)	4293518306 (0xFFE9E3E2)
YUV	228.6800, -1.3212, 3.7886
Hunter-Lab	88.1775, -2.8896, 5.9043

# Details

The XYZ color **74.8008, 77.7528, 83.0169** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.9285, 79.7640, 88.5386**, and the grayscale version is **74.2503, 78.1171, 85.0695**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2347, 41.7924, 44.4742** is the 20% darker color. If you saturate the color by 10%, you get **66.6730, 66.2701, 65.5910**, and if you desaturate by 10%, it is **84.0004, 90.6816, 102.9455**.

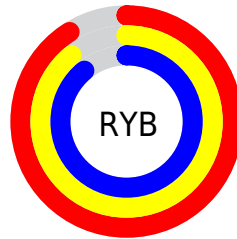
# Distribution



Red (91%)

Green (89%)

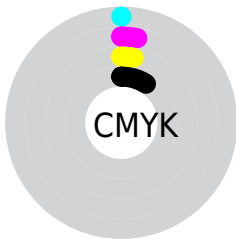
Blue (89%)



Red (91%)

Yellow (89%)

Blue (89%)

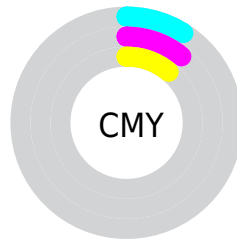


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8008, 77.7528, 83.0169 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 74.8008, 77.7528, 83.0169 by changing the saturation by 10% instead.



■ 74.8008, 77.7528,  
83.0169

■ 74.8008, 77.7528,  
83.0169

466.2404,  
487.3269, 525.0153

■ 55.7433, 57.8709,  
61.6634

125.0198,  
130.2016, 139.4486

■ 40.2333, 41.7049,  
44.3267

156.9119,  
163.5373, 175.3638

■ 27.9056, 28.8703,  
30.5884

193.8131,  
202.1264, 216.9701

■ 18.3946, 18.9827,  
20.0298

236.0885,  
246.3533, 264.6859

■ 11.3350, 11.6578,  
12.2324

284.1036,  
296.6025, 318.9298

■ 6.3616, 6.5111,  
6.7777

338.2237,

■ 3.1089, 3.1583,

353.2582, 380.1203

3.2471

398.8142,  
416.7048, 448.6759

■ 1.2116, 1.2149,  
1.2222

■ 0.1155, 0.0738,  
0.0000

■ 74.8008, 77.7528,  
83.0169

■ 74.8008, 77.7528,  
83.0169

■ 66.6730, 66.2701,  
65.5910

■ 84.0004, 90.6816,  
102.9455

■ 59.5713, 56.1734,  
50.5638

■ 87.4147, 96.0638,  
108.5427

■ 53.4568, 47.4131,  
37.8316

■ 48.2853, 39.9331,  
27.2813

■ 44.0092, 33.6731,  
18.7898

■ 40.5770, 28.5680,  
12.2221

■ 37.9315, 24.5465,  
7.4268

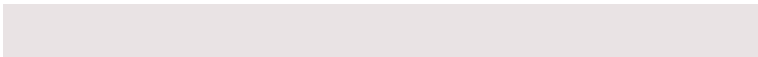
■ 36.0084, 21.5293,  
4.2298

■ 34.7323, 19.4259,  
2.4210

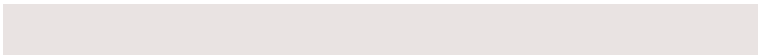
# Harmonies

## Analogous

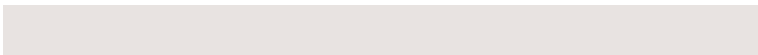
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9710, 77.7528, 84.5101



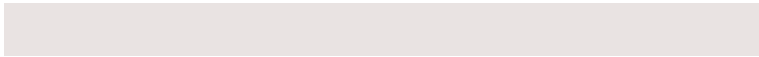
74.8008, 77.7528, 83.0169



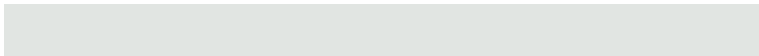
74.3896, 77.7528, 81.9743

# Triad

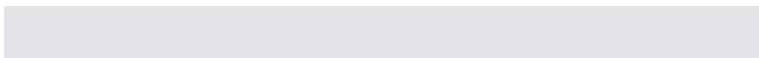
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8008, 77.7528, 83.0169



72.9580, 77.7528, 83.2729



73.9540, 77.7528, 87.7440

# Complementary

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



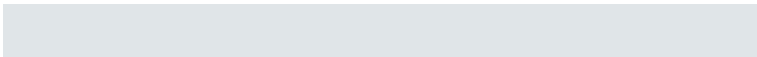
74.8008, 77.7528, 83.0169



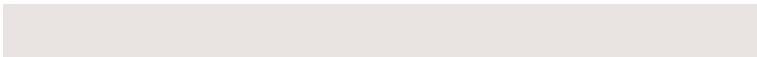
74.9285, 79.7640, 88.5386

# 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.



73.4159, 77.7528, 87.4029



74.8008, 77.7528, 83.0169



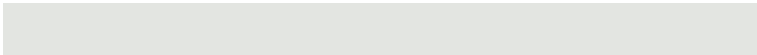
72.8426, 77.7528, 84.8093

# Square

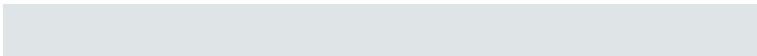
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



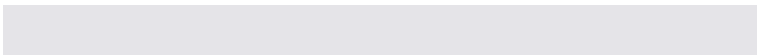
74.8008, 77.7528, 83.0169



73.3259, 77.7528, 82.1208



73.0098, 77.7528, 86.3238

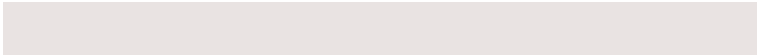


74.4805, 77.7528, 87.2501

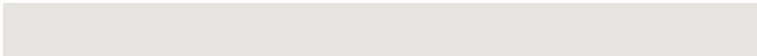


# Rectangle

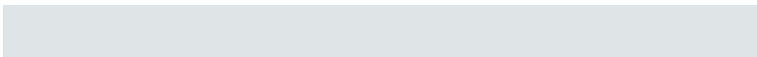
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



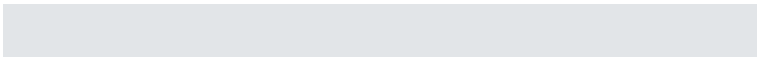
74.8008, 77.7528, 83.0169



74.0351, 77.7528, 81.6681



73.0098, 77.7528, 86.3238



73.7684, 77.7528, 87.7232

# Sweetspot

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



74.8030, 77.7562, 83.0186



93.9492, 98.4511, 106.5211



75.3766, 77.5475, 87.3899



20.1206, 21.0889, 22.8250



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

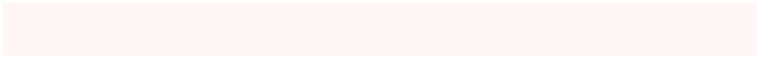


# Same Dimension

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



74.8030, 77.7562, 83.0186



90.7267, 93.9120, 99.5712



75.7503, 79.6508, 83.3344



16.0945, 16.6094, 17.5225



19.4365, 10.5672, 1.0153

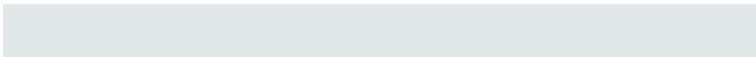


1.5806, 0.9386, 0.0979



# Inverse Universe

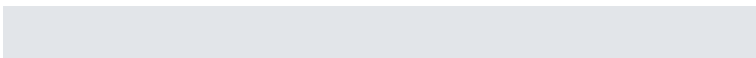
The Inverse Universe completely reimagines the original color for something new.



74.9285, 79.7640, 88.5386



90.9315, 97.1866, 108.5740



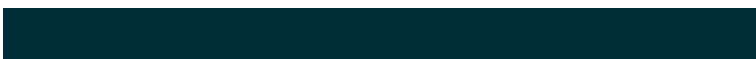
73.9727, 77.8522, 88.2199



16.1374, 17.2960, 19.4102



20.0805, 26.8081, 47.8591

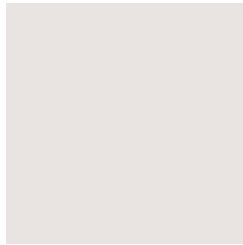


1.6272, 2.2059, 3.7749



# Previews

## White Background



This preview shows how the XYZ color 74.8008, 77.7528, 83.0169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

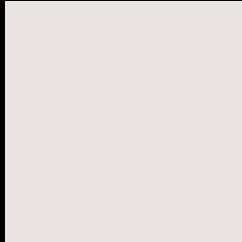
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8008, 77.7528, 83.0169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

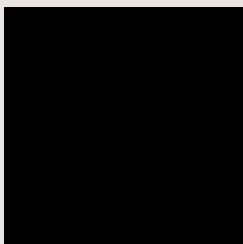
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

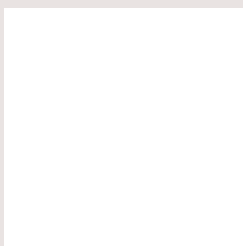
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.8008, 77.7528, 83.0169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.8008, 77.7528, 83.0169.



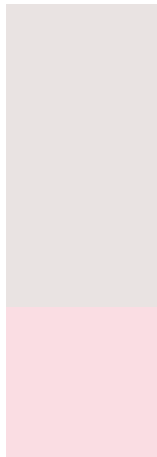
This preview shows how white text looks on a background with the XYZ color 74.8008, 77.7528,



# 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

74.8008, 77.7528, 83.0169

### Protanopia

74.8008, 77.7528, 83.0169

### Deuteranopia

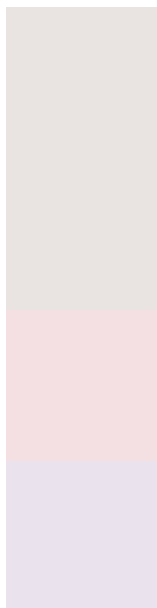
79.1459, 77.5829, 83.4766



## Tritanopia

77.2132, 77.9234, 94.9755

# Trichromacy



## Original Color

74.8008, 77.7528, 83.0169

## Protanomaly

74.8008, 77.7528, 83.0169

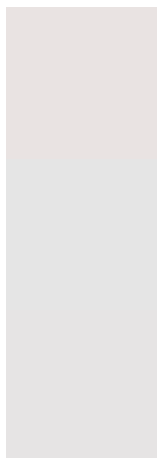
## Deuteranomaly

77.5610, 77.5545, 83.5547

## Tritanomaly

76.2684, 77.9413, 90.3813

# Monochromacy



## Original Color

74.8008, 77.7528, 83.0169

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.3801, 77.9112, 84.5169

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8008, 77.7528, 83.0169 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, 227, 226) looks like.

```
.text, #text, p{  
    color:rgb(233, 227, 226)  
}
```

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, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 227, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8008, 77.7528, 83.0169 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, 227, 226) }
```



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

```
.border{ border-color:rgb(233, 227, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 227, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 227, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 227, 226); box-shadow:4px 4px 4px 4px rgb(233, 227, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8008, 77.7528, 83.0169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 227, 226) }
```

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

```
.background{ background-color: rgb(233,  
227, 226) }
```

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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