

# Converting Colors

XYZ(73.8906, 77.5543, 87.7423)

Have a look what the booklet for  
XYZ(73.8906, 77.5543, 87.7423)  
contains.

<b>XYZ(73.9874, 77.6439, 87.4311)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(73.9874, 77.6439,  
87.4311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E4E8
RGB	227, 228, 232
RGB Percent	89%, 89%, 91%
CMY	0.1098, 0.1059, 0.0902
CMYK	0.02, 0.02, 0.00, 0.09
HSL	228°, 10%, 90%
HSV	228°, 2%, 91%
XYZ	73.9874, 77.6439, 87.4311
YIQ	228.1570, -1.8800, 1.0320

# Conversions

## Conversions Part 2

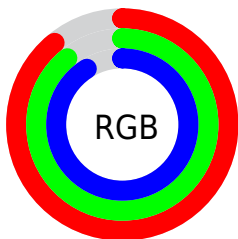
Format	Color
R <sub>Y</sub> B	227, 228, 232
Decimal	14935272
CIE Lab	90.62, 0.39, -2.07
CIE LCh	91, 2.108, 280.727
Yxy	77.6439, 0.3095, 0.3248
Android (android.graphics.Color)	4293125352 (0xFFE3E4E8)
YUV	228.1570, 1.8946, -1.0147
Hunter-Lab	88.1158, -4.3231, 2.8517

# Details

The XYZ color **73.9874, 77.6439, 87.4311** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.7197, 79.8526, 84.0963**, and the grayscale version is **73.8471, 77.6929, 84.6076**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7933, 41.7924, 47.0437** is the 20% darker color. If you saturate the color by 10%, you get **62.3276, 64.4645, 85.5029**, and if you desaturate by 10%, it is **87.1847, 92.4323, 89.5912**.

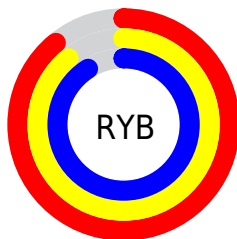
# Distribution



Red (89%)

Green (89%)

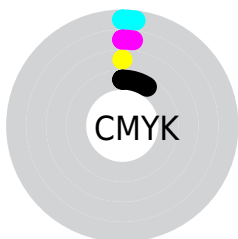
Blue (91%)



Red (89%)

Yellow (89%)

Blue (91%)

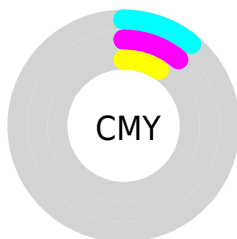


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (9%)



Cyan (11%)

Magenta (11%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.9874, 77.6439, 87.4311 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 73.9874, 77.6439, 87.4311 by changing the saturation by 10% instead.



■ 73.9874, 77.6439,  
87.4311

■ 73.9874, 77.6439,  
87.4311

463.4809,  
486.9566, 539.9914

■ 55.0750, 57.7815,  
65.2904

123.8735,  
130.0480, 145.6690

■ 39.6958, 41.6330,  
47.2437

155.5780,  
163.3585, 182.6033

■ 27.4846, 28.8140,  
32.8726

192.2771,  
201.9205, 225.3058

■ 18.0760, 18.9402,  
21.7586

234.3363,  
246.1184, 274.1952

■ 11.1046, 11.6271,  
13.4830

282.1209,  
296.3365, 329.6899

■ 6.2050, 6.4903,  
7.6274

335.9963,

■ 3.0120, 3.1454,

352.9594, 392.2084

3.7731

396.3278,  
416.3713, 462.1694

■ 1.1601, 1.2081,  
1.5017

■ 0.0745, 0.0683,  
0.2192

■ 73.9874, 77.6439,  
87.4311

■ 73.9874, 77.6439,  
87.4311

■ 62.3276, 64.4645,  
85.5029

■ 87.1847, 92.4323,  
89.5912

■ 52.1422, 52.8297,  
83.7940

■ 91.5657, 98.6063,  
90.5519

■ 43.3738, 42.6850,  
82.2980

■ 35.9584, 33.9693,  
81.0066

■ 29.8269, 26.6170,  
79.9106

■ 24.9043, 20.5571,  
79.0004

■ 21.1071, 15.7121,  
78.2653

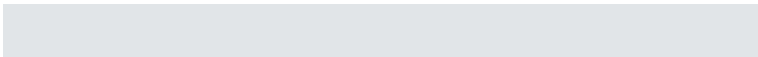
■ 18.3410, 11.9956,  
77.6938

■ 16.4947, 9.3084,  
77.2724

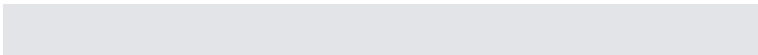
# Harmonies

## Analogous

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



73.4635, 77.6439, 87.3164



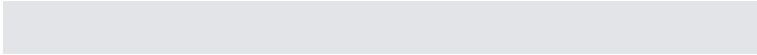
73.9874, 77.6439, 87.4311



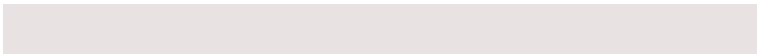
74.4628, 77.6439, 86.7644

# Triad

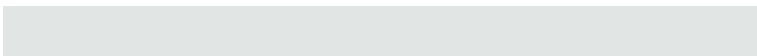
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.9874, 77.6439, 87.4311



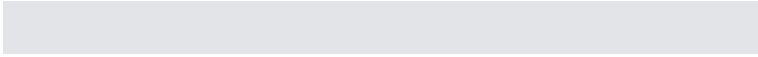
74.5705, 77.6439, 82.6574



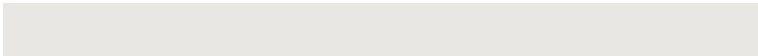
72.8437, 77.6439, 83.5846

# Complementary

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



73.9874, 77.6439, 87.4311



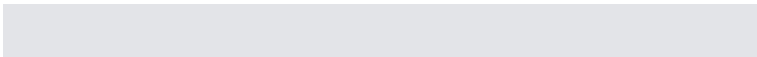
75.7197, 79.8526, 84.0963

# 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.



73.1375, 77.6439, 82.3559



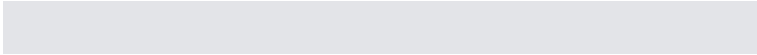
73.9874, 77.6439, 87.4311



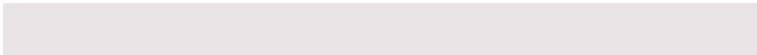
74.1339, 77.6439, 81.8250

# Square

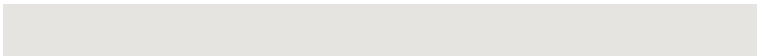
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



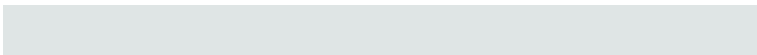
73.9874, 77.6439, 87.4311



74.8006, 77.6439, 84.0008



73.6093, 77.6439, 81.7153

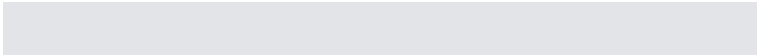


72.8048, 77.6439, 85.0836

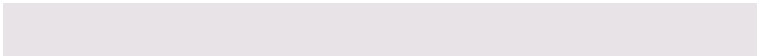


# Rectangle

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



73.9874, 77.6439, 87.4311



74.6877, 77.6439, 85.9712



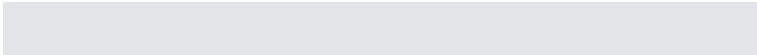
73.6093, 77.6439, 81.7153



72.9158, 77.6439, 83.1268

# Sweetspot

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



73.9896, 77.6472, 87.4328



93.4714, 98.2262, 108.6408



74.9483, 79.8101, 86.9954



20.0234, 21.0432, 23.2563



0.0000, 0.0000, 0.0000

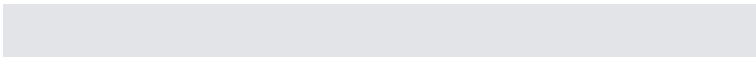


20.3446, 21.4041, 23.3091

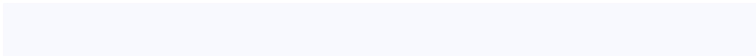


# Same Dimension

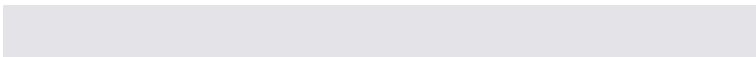
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.9896, 77.6472, 87.4328



90.3718, 94.7388, 108.1311



74.1629, 77.3277, 87.3620



15.2238, 15.9440, 18.4195



8.7123, 4.4868, 42.7900



0.7087, 0.4613, 3.1837



# Inverse Universe

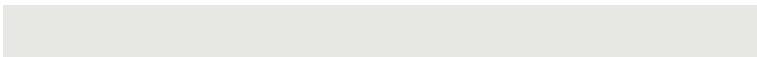
The Inverse Universe completely reimagines the original color for something new.



74.7530, 77.6968, 84.4598



91.6890, 94.8283, 103.0006



75.5435, 80.1801, 84.1688



15.5044, 15.9638, 17.3267



18.7911, 9.6507, 2.5289

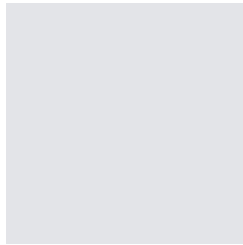


1.4213, 0.7262, 0.3593



# Previews

## White Background



This preview shows how the XYZ color 73.9874, 77.6439, 87.4311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

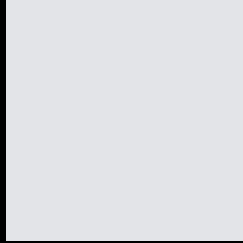
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.9874, 77.6439, 87.4311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

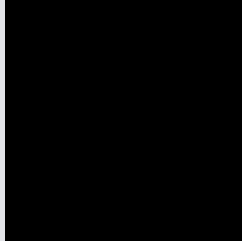
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

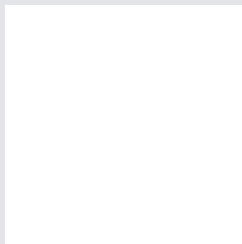
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.9874, 77.6439, 87.4311**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.9874, 77.6439, 87.4311.



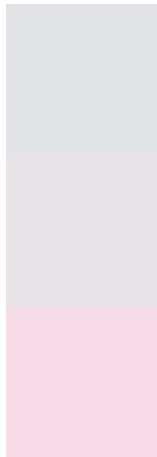
This preview shows how white text looks on a background with the XYZ color 73.9874, 77.6439,

87.4311.

# 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

73.9874, 77.6439, 87.4311

### Protanopia

74.8479, 77.6966, 86.6533

### Deuteranopia

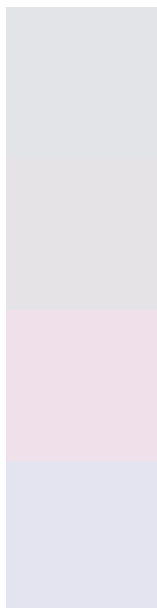
79.2758, 77.5526, 87.8816



## Tritanopia

75.8386, 77.5824, 96.5657

# Trichromacy



## Original Color

73.9874, 77.6439, 87.4311

## Protanomaly

74.5260, 77.5307, 86.6383

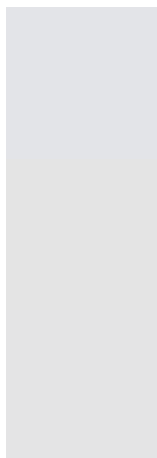
## Deuteranomaly

77.2988, 77.7198, 88.0181

## Tritanomaly

75.1922, 77.7234, 93.4771

# Monochromacy



## Original Color

73.9874, 77.6439, 87.4311

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.8812, 77.6379, 85.2204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.9874, 77.6439, 87.4311 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(227, 228, 232) looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 232)  
}
```

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(227, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 73.9874, 77.6439, 87.4311 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(227, 228, 232) }
```



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

```
.border{ border-color:rgb(227, 228, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(227, 228,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.9874, 77.6439, 87.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 232) }
```

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

```
.background{ background-color: rgb(227,  
228, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor