

# Converting Colors

XYZ(74.8905, 77.4123, 87.8519)

Have a look what the booklet for  
XYZ(74.8905, 77.4123, 87.8519)  
contains.

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# **Color**

**XYZ(74.8593, 77.2648,  
88.0589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E2E9
RGB	231, 226, 233
RGB Percent	91%, 89%, 91%
CMY	0.0941, 0.1137, 0.0863
CMYK	0.01, 0.03, 0.00, 0.09
HSL	283°, 14%, 90%
HSV	283°, 3%, 91%
XYZ	74.8593, 77.2648, 88.0589
YIQ	228.2930, 0.7330, 3.2370

# Conversions

## Conversions Part 2

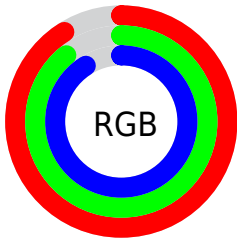
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 226, 233
Decimal	15196905
CIE Lab	90.44, 2.94, -2.81
CIE LCh	90, 4.071, 316.258
Yxy	77.2648, 0.3117, 0.3217
Android (android.graphics.Color)	4293386985 (0xFFE7E2E9)
YUV	228.2930, 2.3206, 2.3740
Hunter-Lab	87.9004, -1.8084, 2.1334

# Details

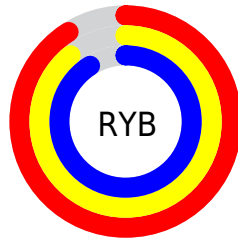
The XYZ color **74.8593, 77.2648, 88.0589** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.8642, 80.2649, 83.5023**, and the grayscale version is **73.9423, 77.7930, 84.7166**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1779, 41.4141, 47.4711** is the 20% darker color. If you saturate the color by 10%, you get **66.8407, 64.3578, 85.9914**, and if you desaturate by 10%, it is **83.8251, 91.9425, 90.4206**.

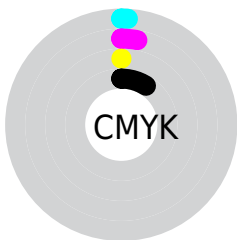
# Distribution



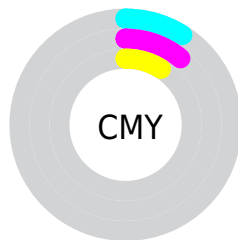
- Red (91%)
- Green (89%)
- Blue (91%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8593, 77.2648, 88.0589 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 74.8593, 77.2648, 88.0589 by changing the saturation by 10% instead.



■ 74.8593, 77.2648,  
88.0589

■ 74.8593, 77.2648,  
88.0589

466.4385,  
485.6664, 542.1024

■ 55.7914, 57.4702,  
65.8072

125.1021,  
129.5132, 146.5510

■ 40.2720, 41.3829,  
47.6604

157.0078,  
162.7358, 183.6285

■ 27.9359, 28.6184,  
33.2000

193.9234,  
201.2033, 226.4851

■ 18.4175, 18.7923,  
22.0073

236.2144,  
245.2999, 275.5393

■ 11.3517, 11.5203,  
13.6639

284.2460,  
295.4101, 331.2095

■ 6.3729, 6.4180,  
7.7512

338.3836,

■ 3.1159, 3.1009,

351.9184, 393.9144

3.8507

398.9927,  
415.2090, 464.0725

■ 1.2154, 1.1846,  
1.5438

■ 0.1185, 0.0491,  
0.2502

■ 74.8593, 77.2648,  
88.0589

■ 74.8593, 77.2648,  
88.0589

■ 66.8407, 64.3578,  
85.9914

■ 83.8251, 91.9425,  
90.4206

■ 59.7272, 53.1421,  
84.2015

■ 87.8889, 96.6944,  
91.1236

■ 53.4834, 43.5470,  
82.6785

■ 90.2465, 97.9097,  
91.2339

■ 48.0688, 35.4928,  
81.4093

■ 91.7082, 98.6633,  
91.3023

■ 43.4394, 28.8930,  
80.3794

■ 39.5469, 23.6524,  
79.5730

■ 36.3371, 19.6642,  
78.9724

■ 33.7478, 16.8053,  
78.5570

■ 31.7037, 14.9266,  
78.3021

# Harmonies

## Analogous

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



73.9865, 77.2648, 89.6183



74.8593, 77.2648, 88.0589



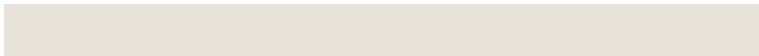
75.3532, 77.2648, 85.4652

# Triad

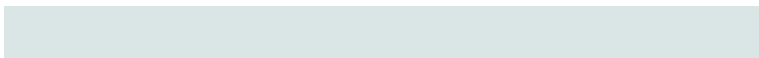
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8593, 77.2648, 88.0589



73.9032, 77.2648, 78.8061



71.5771, 77.2648, 85.7055

# Complementary

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



74.8593, 77.2648, 88.0589



74.8642, 80.2649, 83.5023

# Split Complementary

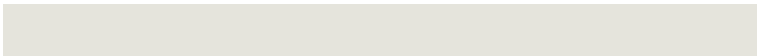
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5552, 77.2648, 82.8053



74.8593, 77.2648, 88.0589



72.8919, 77.2648, 78.8671

# Square

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



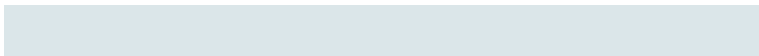
74.8593, 77.2648, 88.0589



74.7978, 77.2648, 80.1478



72.0346, 77.2648, 80.3163



72.0945, 77.2648, 88.2383

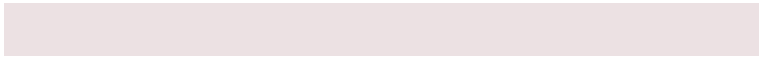


# Rectangle

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



74.8593, 77.2648, 88.0589



75.3983, 77.2648, 83.5194



72.0346, 77.2648, 80.3163



71.5117, 77.2648, 84.7400

# Sweetspot

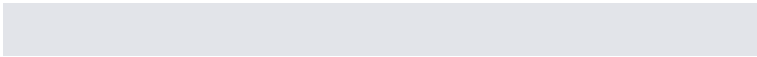
The Sweet Spot groups the original color and five complimentary colors.



74.8615, 77.2681, 88.0606



93.9742, 98.2458, 108.6181



73.8460, 77.5971, 88.1776



20.1257, 21.0471, 23.2517



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.



74.8615, 77.2681, 88.0606



90.8172, 93.1150, 107.7942



75.3117, 77.5232, 87.0422



16.1131, 16.4427, 19.2468



17.4431, 8.0282, 44.3732



1.4636, 0.6788, 3.4888



# Inverse Universe

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



74.8070, 77.3213, 84.3846



90.7312, 93.2036, 101.7842



74.4262, 80.0168, 84.4883



16.0954, 16.4615, 17.9849



19.6822, 10.0756, 4.1279

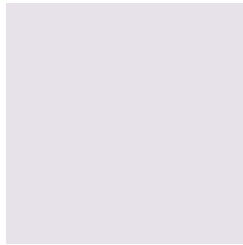


1.5857, 0.8073, 0.5358



# Previews

## White Background



This preview shows how the XYZ color 74.8593, 77.2648, 88.0589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

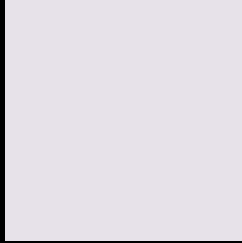
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.8593, 77.2648, 88.0589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

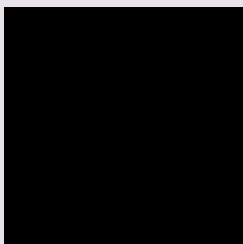
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

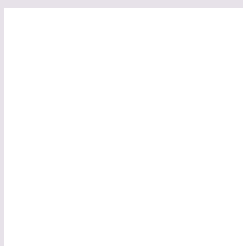
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.8593, 77.2648, 88.0589**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.8593, 77.2648, 88.0589.



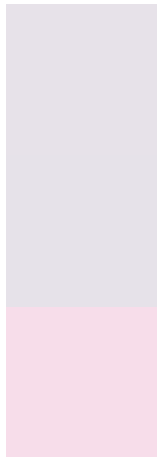
This preview shows how white text looks on a background with the XYZ color 74.8593, 77.2648,

88.0589.

# 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

74.8593, 77.2648, 88.0589

### Protanopia

74.5375, 77.0989, 88.0438

### Deuteranopia

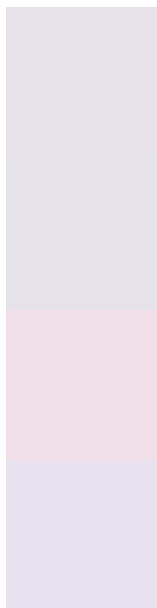
79.0655, 77.4276, 88.6197



## Tritanopia

76.2309, 77.4170, 94.9296

# Trichromacy



## Original Color

74.8593, 77.2648, 88.0589

## Protanomaly

74.5375, 77.0989, 88.0438

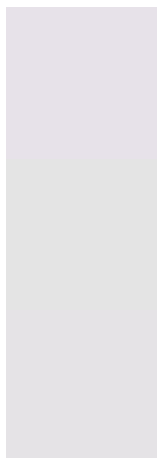
## Deuteranomaly

77.5146, 77.4166, 88.6993

## Tritanomaly

75.7839, 77.2382, 92.5756

# Monochromacy



## Original Color

74.8593, 77.2648, 88.0589

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.0651, 77.3094, 85.8815

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8593, 77.2648, 88.0589 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(231, 226, 233) looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 233)  
}
```

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(231, 226, 233) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 74.8593, 77.2648, 88.0589 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(231, 226, 233) }
```



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

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

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

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

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

# Background

The CSS property to change the background color of an element to XYZ 74.8593, 77.2648, 88.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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