

# Converting Colors

XYZ(72.8885, 76.9816, 85.5136)

Have a look what the booklet for  
XYZ(72.8885, 76.9816, 85.5136)  
contains.

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# Color

**XYZ(73.0777, 77.2075,  
85.9138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E4E6
RGB	225, 228, 230
RGB Percent	88%, 89%, 90%
CMY	0.1176, 0.1059, 0.0980
CMYK	0.02, 0.01, 0.00, 0.10
HSL	204°, 9%, 89%
HSV	204°, 2%, 90%
XYZ	73.0777, 77.2075, 85.9138
YIQ	227.3310, -2.4300, -0.0140

# Conversions

## Conversions Part 2

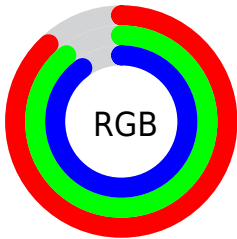
Format	Color
R <sub>Y</sub> B	225, 227, 230
Decimal	14804198
CIE Lab	90.42, -0.64, -1.33
CIE LCh	90, 1.479, 244.457
Yxy	77.2075, 0.3094, 0.3269
Android (android.graphics.Color)	4292994278 (0xFFE1E4E6)
YUV	227.3310, 1.3158, -2.0443
Hunter-Lab	87.8678, -5.3142, 3.5359

# Details

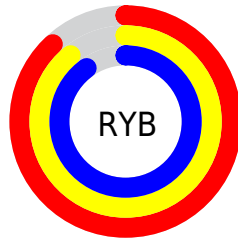
The XYZ color **73.0777, 77.2075, 85.9138** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6930, 77.1967, 82.2519**, and the grayscale version is **73.2484, 77.0630, 83.9216**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2590, 41.5283, 46.5040** is the 20% darker color. If you saturate the color by 10%, you get **63.9258, 68.8401, 84.7823**, and if you desaturate by 10%, it is **83.3341, 86.3478, 87.1386**.

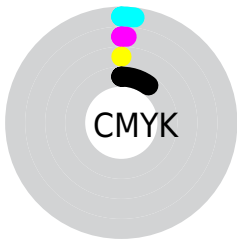
# Distribution



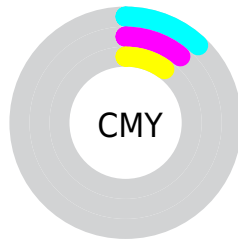
- Red (88%)
- Green (89%)
- Blue (90%)



- Red (88%)
- Yellow (89%)
- Blue (90%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (12%)
- Magenta (11%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.0777, 77.2075, 85.9138 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 73.0777, 77.2075, 85.9138 by changing the saturation by 10% instead.



■ 73.0777, 77.2075,  
85.9138

■ 73.0777, 77.2075,  
85.9138

460.3837,  
485.4712, 534.8702

■ 54.3281, 57.4232,  
64.0422

122.5900,  
129.4323, 143.5347

■ 39.0957, 41.3451,  
46.2385

154.0835,  
162.6417, 180.1210

■ 27.0153, 28.5888,  
32.0840

190.5556,  
201.0948, 222.4494

■ 17.7213, 18.7700,  
21.1603

232.3718,  
245.1761, 270.9383

■ 10.8486, 11.5042,  
13.0489

279.8973,  
295.2700, 326.0063

■ 6.0317, 6.4071,  
7.3311

333.4976,

■ 2.9052, 3.0941,

351.7609, 388.0719

3.5884

393.5379,  
415.0332, 457.5537

■ 1.1038, 1.1811,  
1.4024

■ 0.0283, 0.0462,  
0.1436

■ 73.0777, 77.2075,  
85.9138

■ 73.0777, 77.2075,  
85.9138

■ 63.9258, 68.8401,  
84.7823

■ 83.3341, 86.3478,  
87.1386

■ 55.8313, 61.2119,  
83.7365

■ 88.5922, 93.1114,  
88.1670

■ 48.7535, 54.3009,  
82.7756

■ 91.2831, 98.4933,  
89.0640

■ 42.6463, 48.0800,  
81.8967

■ 37.4597, 42.5203,  
81.0969

■ 33.1390, 37.5901,  
80.3730

■ 29.6231, 33.2545,  
79.7215

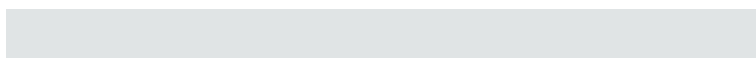
■ 26.8422, 29.4738,  
79.1383

■ 24.7122, 26.2011,  
78.6189

# Harmonies

## Analogous

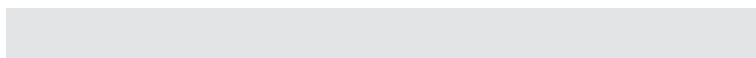
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7996, 77.2075, 85.2215



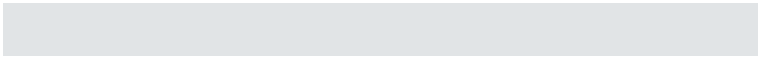
73.0777, 77.2075, 85.9138



73.4386, 77.2075, 86.1094

# Triad

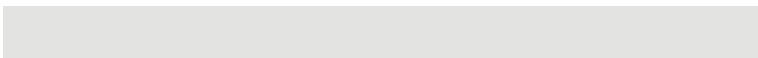
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.0777, 77.2075, 85.9138



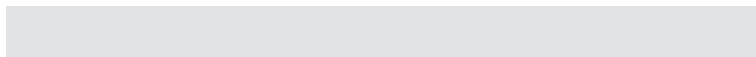
74.0935, 77.2075, 83.9079



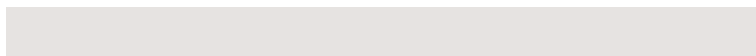
72.9825, 77.2075, 82.4004

# Complementary

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



73.0777, 77.2075, 85.9138



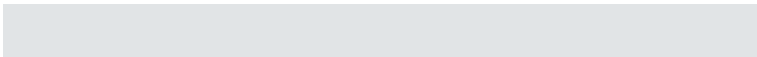
73.6930, 77.1967, 82.2519

# Split Complementary

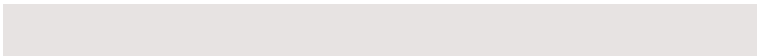
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3283, 77.2075, 82.0549



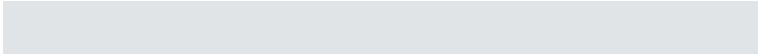
73.0777, 77.2075, 85.9138



73.9704, 77.2075, 82.9207

# Square

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



73.0777, 77.2075, 85.9138



74.0259, 77.2075, 84.9457



73.6900, 77.2075, 82.2446



72.7447, 77.2075, 83.1921



# Rectangle

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



73.0777, 77.2075, 85.9138



73.6777, 77.2075, 85.9303



73.6900, 77.2075, 82.2446



73.0899, 77.2075, 82.2285

# Sweetspot

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



73.0799, 77.2108, 85.9155



93.7941, 98.8717, 108.7484



73.2030, 78.1439, 83.8391



20.0890, 21.1745, 23.2782



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

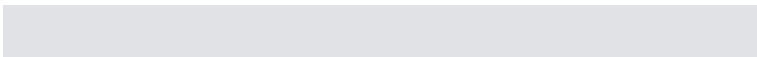
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.0799, 77.2108, 85.9155



91.3246, 96.6444, 108.4487



72.4187, 75.8885, 85.6951



15.4264, 16.3491, 18.4870



13.3678, 13.7977, 44.3418



1.0781, 1.2001, 3.3068



# Inverse Universe

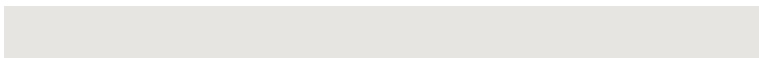
The Inverse Universe completely reimagines the original color for something new.



73.5636, 76.2764, 84.2482



92.1700, 95.0206, 105.5331



74.3597, 78.5299, 82.4741



15.6066, 16.0047, 17.8651



21.1409, 10.5906, 14.9031

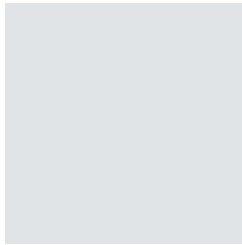


1.6078, 0.8008, 1.3412



# Previews

## White Background



This preview shows how the XYZ color 73.0777, 77.2075, 85.9138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

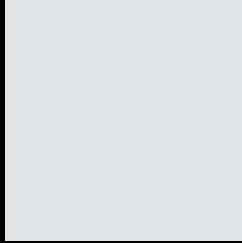
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.0777, 77.2075, 85.9138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

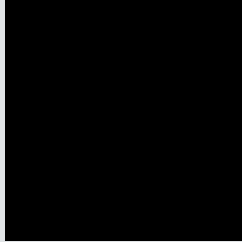
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

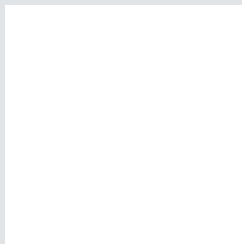
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.0777, 77.2075, 85.9138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.0777, 77.2075, 85.9138.



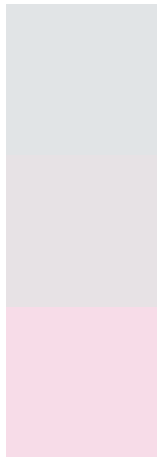
This preview shows how white text looks on a background with the XYZ color 73.0777, 77.2075,

85.9138.

# 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

73.0777, 77.2075, 85.9138

### Protanopia

74.2942, 77.0388, 85.0830

### Deuteranopia

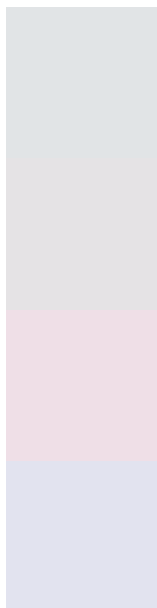
78.5165, 76.7868, 87.0270



## Tritanopia

75.2040, 77.2553, 96.5360

# Trichromacy



## Original Color

73.0777, 77.2075, 85.9138

## Protanomaly

73.9250, 77.2533, 85.1439

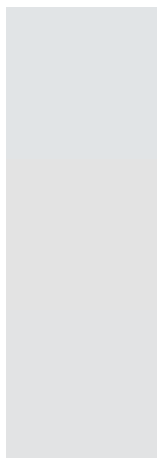
## Deuteranomaly

76.4081, 76.8956, 86.4165

## Tritanomaly

74.4131, 77.3389, 92.6673

# Monochromacy



## Original Color

73.0777, 77.2075, 85.9138

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.8367, 76.7084, 84.3661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.0777, 77.2075, 85.9138 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(225, 228, 230) looks like.

```
.text, #text, p{  
    color:rgb(225, 228, 230)  
}
```

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(225, 228, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 228, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 73.0777, 77.2075, 85.9138 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(225, 228, 230) }
```



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

```
.border{ border-color:rgb(225, 228, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 228, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(225, 228,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.0777, 77.2075, 85.9138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 228, 230) }
```

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

```
.background{ background-color: rgb(225,  
228, 230) }
```

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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