

# Converting Colors

XYZ(73.2667, 77.7395, 85.6390)

Have a look what the booklet for  
XYZ(73.2667, 77.7395, 85.6390)  
contains.

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# **Color**

**XYZ(73.3536, 77.7593,  
86.0058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E5E6
RGB	225, 229, 230
RGB Percent	88%, 90%, 90%
CMY	0.1176, 0.1019, 0.0980
CMYK	0.02, 0.00, 0.00, 0.10
HSL	192°, 9%, 89%
HSV	192°, 2%, 90%
XYZ	73.3536, 77.7593, 86.0058
YIQ	227.9180, -2.7050, -0.5370

# Conversions

## Conversions Part 2

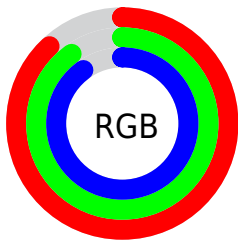
Format	Color
R <sub>Y</sub> B	225, 227, 230
Decimal	14804454
CIE Lab	90.67, -1.15, -0.96
CIE LCh	91, 1.503, 219.932
Yxy	77.7593, 0.3094, 0.3279
Android (android.graphics.Color)	4292994534 (0xFFE1E5E6)
YUV	227.9180, 1.0264, -2.5591
Hunter-Lab	88.1812, -5.8319, 3.8995

# Details

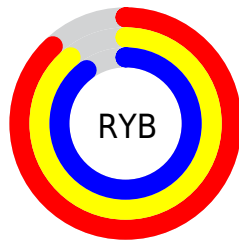
The XYZ color **73.3536, 77.7593, 86.0058** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.4203, 76.6513, 82.1610**, and the grayscale version is **73.6789, 77.5159, 84.4148**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4515, 41.9133, 46.5682** is the 20% darker color. If you saturate the color by 10%, you get **65.4099, 71.8084, 85.2770**, and if you desaturate by 10%, it is **82.3011, 84.2818, 86.7944**.

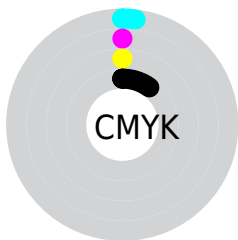
# Distribution



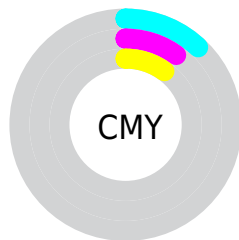
- Red (88%)
- Green (90%)
- Blue (90%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3536, 77.7593, 86.0058 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 73.3536, 77.7593, 86.0058 by changing the saturation by 10% instead.



■ 73.3536, 77.7593,  
86.0058

■ 73.3536, 77.7593,  
86.0058

461.3243,  
487.3490, 535.1815

■ 54.5546, 57.8763,  
64.1178

122.9795,  
130.2108, 143.6642

■ 39.2776, 41.7092,  
46.2993

154.5370,  
163.5480, 180.2717

■ 27.1575, 28.8736,  
32.1317

191.0781,  
202.1387, 222.6229

■ 17.8287, 18.9853,  
21.1965

232.9681,  
246.3674, 271.1361

■ 10.9260, 11.6596,  
13.0751

280.5724,  
296.6183, 326.2301

■ 6.0840, 6.5124,  
7.3489

334.2563,

■ 2.9374, 3.1591,

353.2760, 388.3233

3.5995

394.3851,  
416.7247, 457.8342

■ 1.1207, 1.2153,  
1.4083

■ 0.0424, 0.0742,  
0.1482

■ 73.3536, 77.7593,  
86.0058

■ 73.3536, 77.7593,  
86.0058

■ 65.4099, 71.8084,  
85.2770

■ 82.3011, 84.2818,  
86.7944

■ 58.4247, 66.3987,  
84.6010

■ 86.1478, 88.2226,  
87.3523

■ 52.3591, 61.5121,  
83.9775

■ 87.5006, 90.9282,  
87.8032

■ 47.1689, 57.1254,  
83.4043

■ 88.8877, 93.7023,  
88.2656

■ 42.8062, 53.2133,  
82.8792

■ 90.3092, 96.5454,  
88.7394

■ 39.2182, 49.7485,  
82.3995

■ 91.2832, 98.4933,  
89.0640

■ 36.3459, 46.7000,  
81.9624

■ 34.1215, 44.0325,  
81.5648

■ 32.4634, 41.7034,  
81.2026

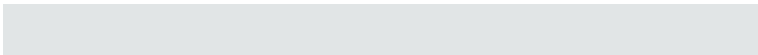
# Harmonies

## Analogous

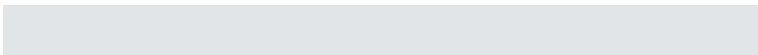
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1964, 77.7593, 85.0251



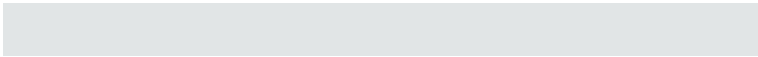
73.3536, 77.7593, 86.0058



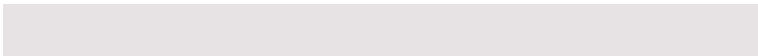
73.6595, 77.7593, 86.6310

# Triad

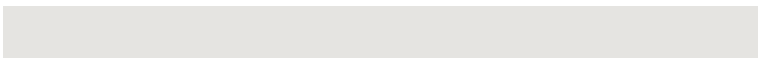
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.3536, 77.7593, 86.0058



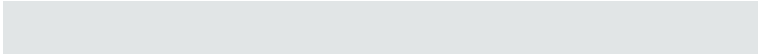
74.5906, 77.7593, 85.3808



73.7830, 77.7593, 82.6388

# Complementary

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



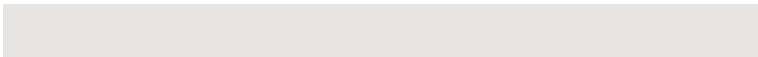
73.3536, 77.7593, 86.0058



73.4203, 76.6513, 82.1610

# Split Complementary

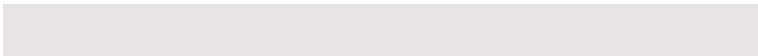
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.1568, 77.7593, 82.7322



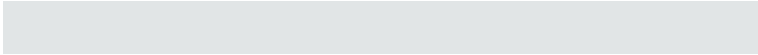
73.3536, 77.7593, 86.0058



74.6240, 77.7593, 84.3092

# Square

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



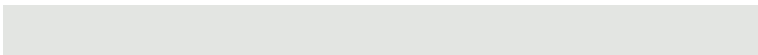
73.3536, 77.7593, 86.0058



74.3740, 77.7593, 86.2681



74.4649, 77.7593, 83.3415



73.4437, 77.7593, 83.0852

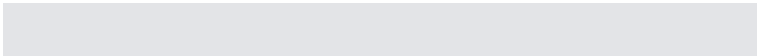


# Rectangle

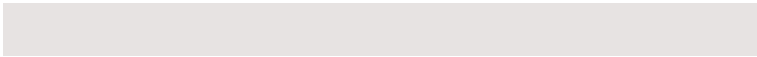
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.3536, 77.7593, 86.0058



73.9070, 77.7593, 86.7590



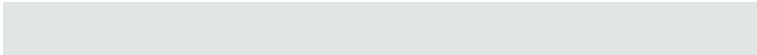
74.4649, 77.7593, 83.3415



73.9087, 77.7593, 82.6082

# Sweetspot

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



73.3558, 77.7626, 86.0075



93.9562, 99.1958, 108.8024



73.0654, 78.0889, 83.1145



20.1220, 21.2405, 23.2892



0.0000, 0.0000, 0.0000

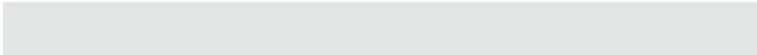


20.3446, 21.4041, 23.3091



# Same Dimension

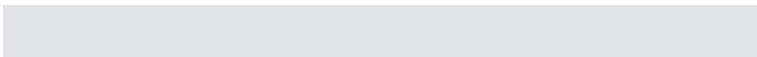
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3558, 77.7626, 86.0075



91.8069, 97.6090, 108.6094



72.6908, 76.4326, 85.7858



15.5292, 16.5548, 18.5213



17.8980, 22.8580, 45.8519

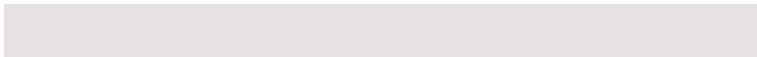


1.3848, 1.8136, 3.4090



# Inverse Universe

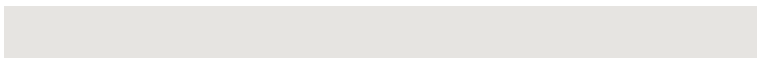
The Inverse Universe completely reimagines the original color for something new.



73.7029, 76.3321, 84.9816



92.4134, 95.1180, 106.8151



74.0831, 77.9769, 82.3819



15.6585, 16.0255, 18.1384



23.4276, 11.5052, 26.9443

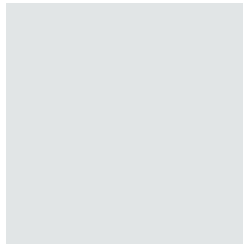


1.7626, 0.8628, 2.1565



# Previews

## White Background



This preview shows how the XYZ color 73.3536, 77.7593, 86.0058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

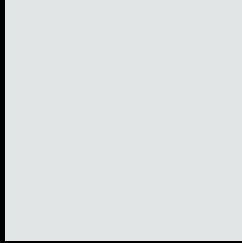
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.3536, 77.7593, 86.0058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

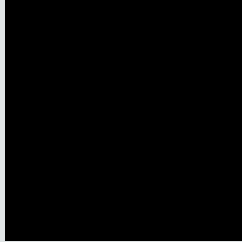
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

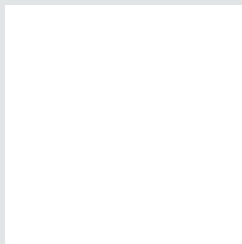
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.3536, 77.7593, 86.0058**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.3536, 77.7593, 86.0058.



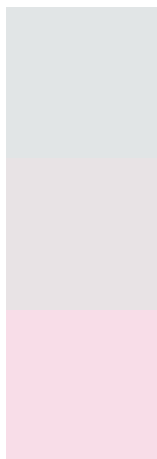
This preview shows how white text looks on a background with the XYZ color 73.3536, 77.7593,

86.0058.

# 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

73.3536, 77.7593, 86.0058

### Protanopia

74.8907, 77.7511, 85.1890

### Deuteranopia

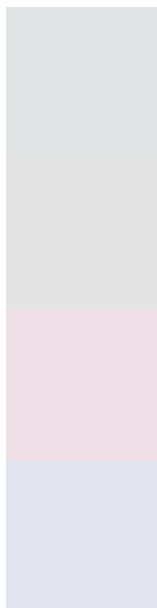
79.1333, 77.4956, 87.1313



## Tritanopia

75.6291, 77.8616, 97.4289

# Trichromacy



## Original Color

73.3536, 77.7593, 86.0058

## Protanomaly

74.1994, 77.8020, 85.2353

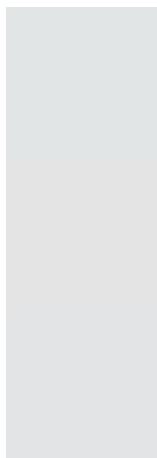
## Deuteranomaly

77.0146, 77.6061, 86.5217

## Tritanomaly

74.8356, 77.9468, 93.5391

# Monochromacy



## Original Color

73.3536, 77.7593, 86.0058

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.5648, 77.4748, 85.2056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.3536, 77.7593, 86.0058 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, 229, 230)` looks like.

```
.text, #text, p{  
    color:rgb(225, 229, 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, 229, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 229, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 73.3536, 77.7593, 86.0058 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, 229, 230) }
```



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

```
.border{ border-color:rgb(225, 229, 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, 229, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 229, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 229, 230);  
box-shadow:4px 4px 4px 4px rgb(225, 229,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.3536, 77.7593, 86.0058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 229, 230) }
```

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

```
.background{ background-color: rgb(225,  
229, 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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