

Converting Colors

XYZ(73.7027, 77.4561, 87.2294)

Have a look what the booklet for
XYZ(73.7027, 77.4561, 87.2294)
contains.

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Color

**XYZ(73.6729, 77.4818,
87.4164)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E4E8
RGB	226, 228, 232
RGB Percent	89%, 89%, 91%
CMY	0.1137, 0.1059, 0.0902
CMYK	0.03, 0.02, 0.00, 0.09
HSL	220°, 12%, 90%
HSV	220°, 3%, 91%
XYZ	73.6729, 77.4818, 87.4164
YIQ	227.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

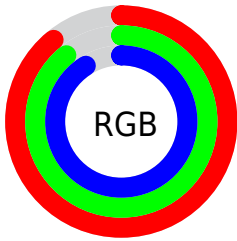
Format	Color
R_{YB}	226, 228, 232
Decimal	14869736
CIE Lab	90.54, 0.06, -2.19
CIE LCh	91, 2.190, 271.565
Yxy	77.4818, 0.3088, 0.3248
Android (android.graphics.Color)	4293059816 (0xFFE2E4E8)
YUV	227.8580, 2.0420, -1.6295
Hunter-Lab	88.0237, -4.6431, 2.7357

Details

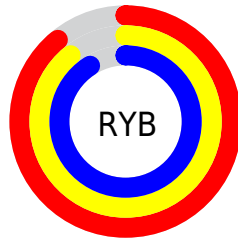
The XYZ color **73.6729, 77.4818, 87.4164** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.3030, 79.2393, 83.2784**, and the grayscale version is **73.6278, 77.4622, 84.3563**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5746, 41.6797, 47.0335** is the 20% darker color. If you saturate the color by 10%, you get **62.8225, 65.8595, 85.7461**, and if you desaturate by 10%, it is **85.8920, 90.3780, 89.2628**.

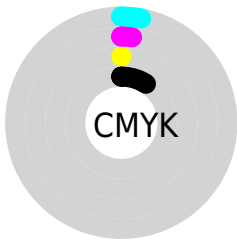
Distribution



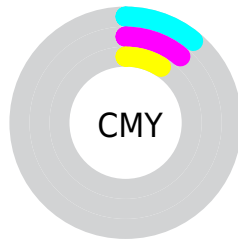
- Red (89%)
- Green (89%)
- Blue (91%)



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



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6729, 77.4818, 87.4164 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 73.6729, 77.4818, 87.4164 by changing the saturation by 10% instead.

■ 73.6729, 77.4818,
87.4164

■ 73.6729, 77.4818,
87.4164

462.4114,
486.4052, 539.9419

■ 54.8167, 57.6484,
65.2783

123.4300,
129.8194, 145.6484

■ 39.4882, 41.5260,
47.2340

155.0616,
163.0923, 182.5793

■ 27.3222, 28.7304,
32.8650

191.6824,
201.6139, 225.2782

■ 17.9532, 18.8769,
21.7528

233.6577,
245.7685, 274.1637

■ 11.0159, 11.5814,
13.4788

281.3529,
295.9406, 329.6543

■ 6.1449, 6.4593,
7.6245

335.1334,

■ 2.9749, 3.1263,

352.5144, 392.1684

3.7713

395.3644,
415.8745, 462.1248

■ 1.1405, 1.1980,
1.5007

■ 0.0586, 0.0601,
0.2185

■ 73.6729, 77.4818,
87.4164

■ 73.6729, 77.4818,
87.4164

■ 62.8225, 65.8595,
85.7461

■ 85.8920, 90.3780,
89.2628

■ 53.2851, 55.4612,
84.2417

■ 91.5657, 98.6063,
90.5520

■ 45.0105, 46.2478,
82.8995

■ 37.9431, 38.1747,
81.7137

■ 32.0226, 31.1941,
80.6784

■ 27.1833, 25.2543,
79.7869

■ 23.3523, 20.2992,
79.0324

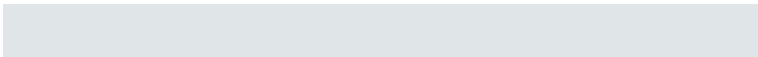
■ 20.4467, 16.2661,
78.4071

■ 18.3683, 13.0829,
77.9022

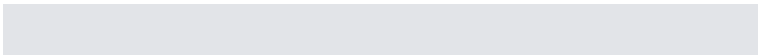
Harmonies

Analogous

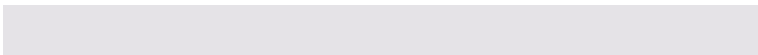
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1437, 77.4818, 87.0454



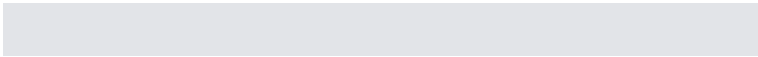
73.6729, 77.4818, 87.4164



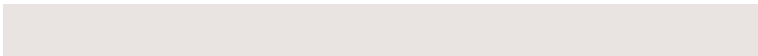
74.1969, 77.4818, 86.9613

Triad

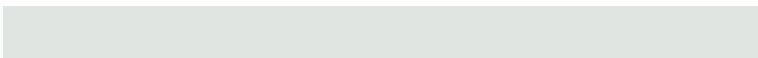
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6729, 77.4818, 87.4164



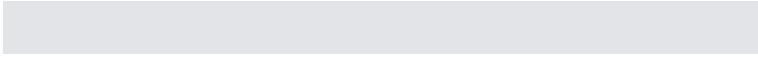
74.5453, 77.4818, 82.7951



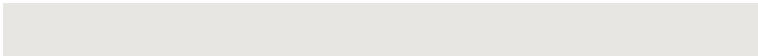
72.7217, 77.4818, 82.9361

Complementary

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



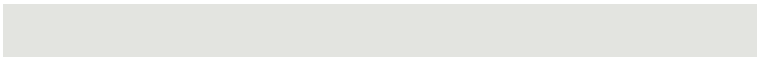
73.6729, 77.4818, 87.4164



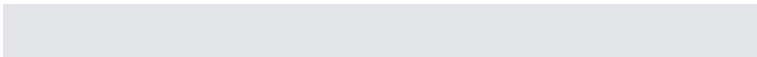
75.3030, 79.2393, 83.2784

Split Complementary

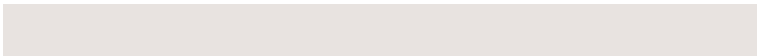
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.0941, 77.4818, 81.8200



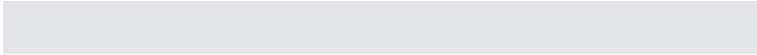
73.6729, 77.4818, 87.4164



74.1469, 77.4818, 81.7393

Square

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



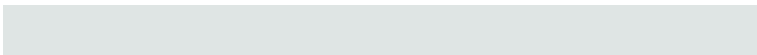
73.6729, 77.4818, 87.4164



74.7022, 77.4818, 84.2821



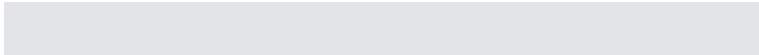
73.6154, 77.4818, 81.3845



72.5961, 77.4818, 84.4469

Rectangle

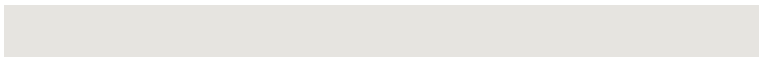
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



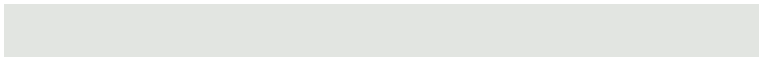
73.6729, 77.4818, 87.4164



74.4724, 77.4818, 86.2538



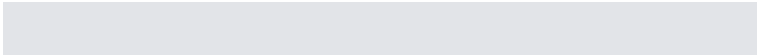
73.6154, 77.4818, 81.3845



72.8220, 77.4818, 82.5030

Sweetspot

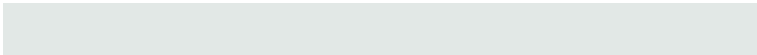
The Sweet Spot groups the original color and five complimentary colors.



73.6751, 77.4851, 87.4181



93.5787, 98.4408, 108.6766



74.4906, 79.5907, 86.2269



20.0452, 21.0868, 23.2636



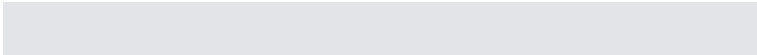
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

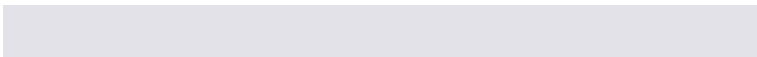
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6751, 77.4851, 87.4181



90.6875, 95.3701, 108.2363



73.4099, 76.5347, 87.2486



15.2908, 16.0781, 18.4418



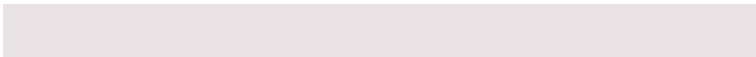
9.6822, 6.4265, 43.1133



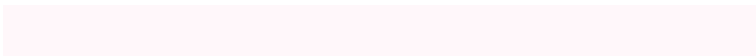
0.7985, 0.6410, 3.2136

Inverse Universe

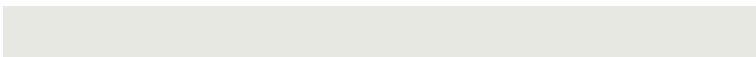
The Inverse Universe completely reimagines the original color for something new.



74.4803, 77.1513, 84.3690



91.8483, 94.8920, 103.8396



75.5725, 80.2110, 83.4517



15.5382, 15.9774, 17.5048



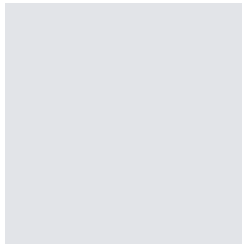
19.2806, 9.8465, 5.1069



1.4667, 0.7444, 0.5981

Previews

White Background



This preview shows how the XYZ color 73.6729, 77.4818, 87.4164 looks on a white background.

Color Contrast Check

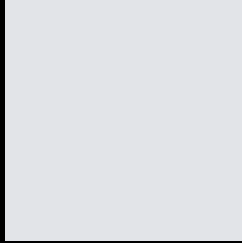
Large Text (above 18pt) WCAG AA × Fail

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 73.6729, 77.4818, 87.4164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

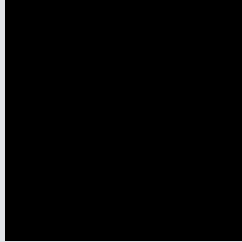
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

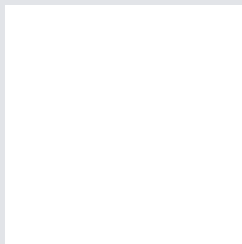
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.6729, 77.4818, 87.4164

Background



This preview shows how black text looks on a background with the XYZ color 73.6729, 77.4818, 87.4164.



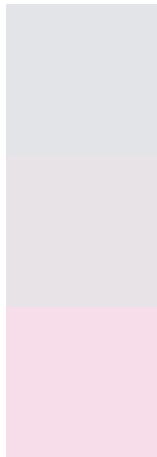
This preview shows how white text looks on a background with the XYZ color 73.6729, 77.4818,

87.4164.

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

73.6729, 77.4818, 87.4164

Protanopia

74.8479, 77.6966, 86.6533

Deuteranopia

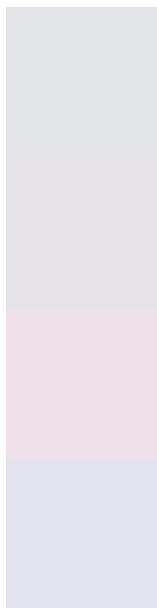
78.9222, 77.3703, 87.8651



Tritanopia

75.5204, 77.4183, 96.5508

Trichromacy



Original Color

73.6729, 77.4818, 87.4164

Protanomaly

74.2060, 77.3657, 86.6233

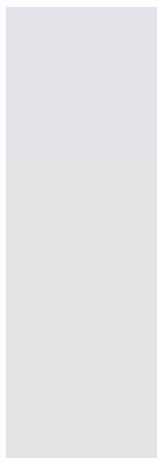
Deuteranomaly

76.9602, 77.5452, 88.0023

Tritanomaly

74.8758, 77.5603, 93.4623

Monochromacy



Original Color

73.6729, 77.4818, 87.4164

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 73.6729, 77.4818, 87.4164 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(226, 228, 232) looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 232) }
```

Border

The CSS property to change the border of an element to XYZ 73.6729, 77.4818, 87.4164 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(226, 228, 232) }
```


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

```
.border{ border-color:rgb(226, 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(226, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 228, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 228, 232); box-shadow:4px 4px 4px 4px rgb(226, 228, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6729, 77.4818, 87.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 232) }
```

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

```
.background{ background-color: rgb(226,  
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](#).

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