

Converting Colors

XYZ(72.9692, 77.0336, 83.3595)

Have a look what the booklet for
XYZ(72.9692, 77.0336, 83.3595)
contains.

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Color

**XYZ(73.2871, 77.3637,
83.7431)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E4E3
RGB	227, 228, 227
RGB Percent	89%, 89%, 89%
CMY	0.1098, 0.1059, 0.1098
CMYK	0.00, 0.00, 0.00, 0.11
HSL	120°, 2%, 89%
HSV	120°, 0%, 89%
XYZ	73.2871, 77.3637, 83.7431
YIQ	227.5870, -0.2750, -0.5230

Conversions

Conversions Part 2

Format	Color
R _Y B	227, 228, 228
Decimal	14935267
CIE Lab	90.49, -0.51, 0.36
CIE LCh	90, 0.623, 144.870
Yxy	77.3637, 0.3127, 0.3301
Android (android.graphics.Color)	4293125347 (0xFFE3E4E3)
YUV	227.5870, -0.2894, -0.5148
Hunter-Lab	87.9566, -5.1946, 5.1199

Details

The XYZ color **73.2871, 77.3637, 83.7431** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.4704, 77.0356, 84.3997**, and the grayscale version is **73.4452, 77.2701, 84.1471**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4032, 41.6364, 44.9896** is the 20% darker color. If you saturate the color by 10%, you get **63.6254, 72.7250, 67.9372**, and if you desaturate by 10%, it is **84.3223, 82.6667, 101.7919**.

Distribution



Red (89%)

Green (89%)

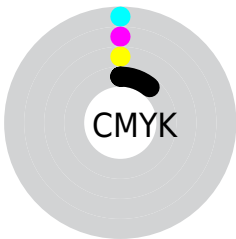
Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2871, 77.3637, 83.7431 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 73.2871, 77.3637, 83.7431 by changing the saturation by 10% instead.

■ 73.2871, 77.3637,
83.7431

■ 73.2871, 77.3637,
83.7431

461.0976,
486.0032, 527.4955

■ 54.5000, 57.5514,
62.2592

122.8856,
129.6528, 140.4743

■ 39.2338, 41.4481,
44.8050

154.4278,
162.8983, 176.5586

■ 27.1232, 28.6694,
30.9621

190.9522,
201.3904, 218.3469

■ 17.8028, 18.8309,
20.3117

232.8244,
245.5135, 266.2576

■ 10.9073, 11.5481,
12.4355

280.4097,
295.6519, 320.7092

■ 6.0714, 6.4368,
6.9149

334.0735,

■ 2.9296, 3.1125,

352.1901, 382.1204

3.3313

394.1810,
415.5124, 450.9096

■ 1.1167, 1.1907,
1.2662

■ 0.0390, 0.0541,
0.0338

■ 73.2871, 77.3637,
83.7431

■ 73.2871, 77.3637,
83.7431

■ 63.6254, 72.7250,
67.9372

■ 84.3223, 82.6667,
101.7919

■ 55.2771, 68.7149,
54.2817

■ 87.0349, 83.9697,
106.2283

■ 48.1877, 65.3095,
42.6854

■ 42.2960, 62.4794,
33.0484

■ 37.5360, 60.1929,
25.2625

■ 33.8352, 58.4152,
19.2092

■ 31.1126, 57.1074,
14.7560

■ 29.2757, 56.2251,
11.7517

■ 28.2143, 55.7152,
10.0159

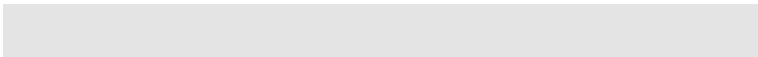
Harmonies

Analogous

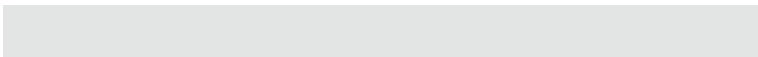
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4059, 77.3637, 83.4598



73.2871, 77.3637, 83.7431



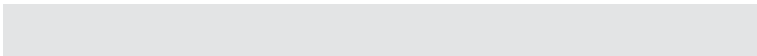
73.2339, 77.3637, 84.1592

Triad

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



73.2871, 77.3637, 83.7431



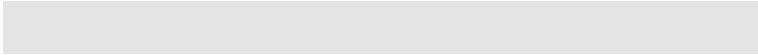
73.5051, 77.3637, 85.0935



73.8041, 77.3637, 83.8755

Complementary

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



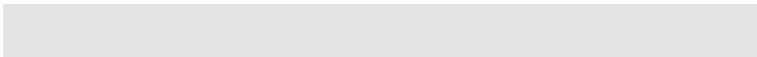
73.2871, 77.3637, 83.7431



73.4704, 77.0356, 84.3997

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.



73.8307, 77.3637, 84.3127



73.2871, 77.3637, 83.7431



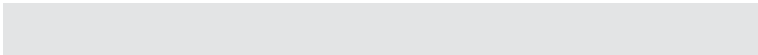
73.6580, 77.3637, 85.0168

Square

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



73.2871, 77.3637, 83.7431



73.3596, 77.3637, 84.9397



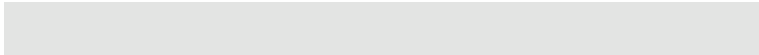
73.7772, 77.3637, 84.7307



73.7044, 77.3637, 83.5361

Rectangle

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



73.2871, 77.3637, 83.7431



73.2427, 77.3637, 84.4563



73.7772, 77.3637, 84.7307



73.8218, 77.3637, 84.0159

Sweetspot

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



73.2893, 77.3670, 83.7448

95.0500, 100.0000, 108.9000



73.6022, 77.5215, 83.7581



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

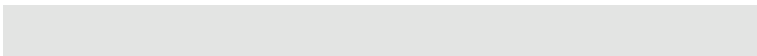
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2893, 77.3670, 83.7448



93.7102, 99.3564, 106.7084



73.3563, 77.3938, 84.0980



16.0048, 16.9612, 18.2315



16.0202, 32.0402, 5.3400



1.1839, 2.3677, 0.3946

Inverse Universe

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



73.4704, 77.0356, 84.3997



94.2419, 98.3838, 108.6306



73.4032, 77.0087, 84.0454



16.0901, 16.8051, 18.5400



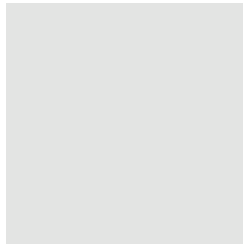
26.5594, 12.7578, 43.4458



1.9627, 0.9428, 3.2105

Previews

White Background



This preview shows how the XYZ color 73.2871, 77.3637, 83.7431 looks on a white background.

Color Contrast Check

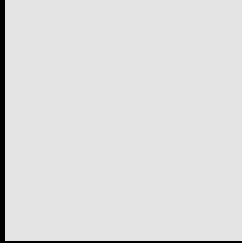
Large Text (above 18pt) WCAG AA × Fail

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 73.2871, 77.3637, 83.7431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

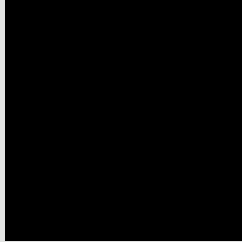
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

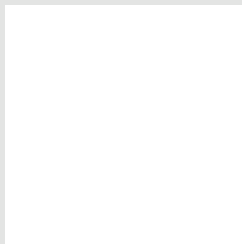
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.2871, 77.3637, 83.7431

Background



This preview shows how black text looks on a background with the XYZ color 73.2871, 77.3637, 83.7431.

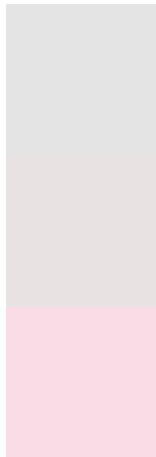


This preview shows how white text looks on a background with the XYZ color 73.2871, 77.3637,

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

73.2871, 77.3637, 83.7431

Protanopia

74.4753, 77.5850, 83.0016

Deuteranopia

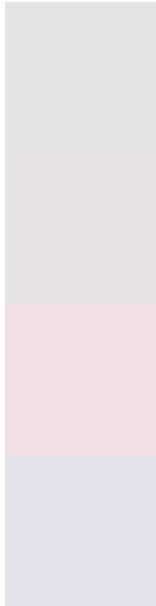
78.8030, 76.9833, 84.8346



Tritanopia

75.7360, 77.1445, 95.6927

Trichromacy



Original Color

73.2871, 77.3637, 83.7431

Protanomaly

73.8297, 77.2522, 82.9714

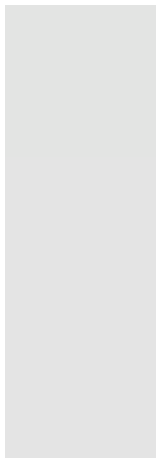
Deuteranomaly

76.6669, 77.0776, 84.2355

Tritanomaly

74.7955, 77.1652, 91.0730

Monochromacy



Original Color

73.2871, 77.3637, 83.7431

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.7419, 77.5822, 84.4870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.2871, 77.3637, 83.7431 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, 227) looks like.

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

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, 227) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 73.2871, 77.3637, 83.7431 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, 227) }
```

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

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

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, 227)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 73.2871, 77.3637, 83.7431 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, 227) }
```

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

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

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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