

Converting Colors

XYZ(73.6653, 77.6573, 83.2805)

Have a look what the booklet for
XYZ(73.6653, 77.6573, 83.2805)
contains.

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Color

**XYZ(73.4658, 77.4718,
83.0330)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E4E2
RGB	228, 228, 226
RGB Percent	89%, 89%, 89%
CMY	0.1059, 0.1059, 0.1137
CMYK	0.00, 0.00, 0.01, 0.11
HSL	60°, 4%, 89%
HSV	60°, 1%, 89%
XYZ	73.4658, 77.4718, 83.0330
YIQ	227.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

Format	Color
R _Y B	226, 228, 226
Decimal	15000802
CIE Lab	90.54, -0.35, 0.96
CIE LCh	91, 1.026, 110.025
Yxy	77.4718, 0.3140, 0.3311
Android (android.graphics.Color)	4293190882 (0xFFE4E4E2)
YUV	227.7720, -0.8736, 0.2000
Hunter-Lab	88.0181, -5.0435, 5.6806

Details

The XYZ color **73.4658, 77.4718, 83.0330** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5669, 76.1650, 84.2794**, and the grayscale version is **73.5840, 77.4161, 84.3061**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5278, 41.7117, 44.4959** is the 20% darker color. If you saturate the color by 10%, you get **70.5293, 76.2980, 67.6353**, and if you desaturate by 10%, it is **76.8228, 78.8188, 100.6254**.

Distribution



Red (89%)

Green (89%)

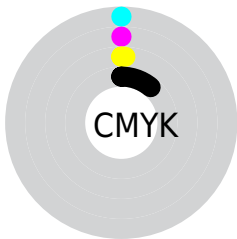
Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (0%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.4658, 77.4718, 83.0330 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 73.4658, 77.4718, 83.0330 by changing the saturation by 10% instead.

■ 73.4658, 77.4718,
83.0330

■ 73.4658, 77.4718,
83.0330

461.7064,
486.3711, 525.0704

■ 54.6467, 57.6402,
61.6766

123.1378,
129.8053, 139.4713

■ 39.3516, 41.5194,
44.3373

154.7214,
163.0759, 175.3903

■ 27.2153, 28.7252,
30.5967

191.2905,
201.5950, 217.0006

■ 17.8724, 18.8730,
20.0360

233.2105,
245.7469, 264.7208

■ 10.9576, 11.5786,
12.2369

280.8468,
295.9161, 318.9693

■ 6.1054, 6.4574,
6.7807

334.5646,

■ 2.9505, 3.1252,

352.4870, 380.1647

3.2490

394.7294,
415.8438, 448.7255

■ 1.1277, 1.1974,
1.2231

■ 0.0481, 0.0596,
0.0000

■ 73.4658, 77.4718,
83.0330

■ 73.4658, 77.4718,
83.0330

■ 70.5293, 76.2980,
67.6353

■ 76.8228, 78.8188,
100.6254

■ 67.9904, 75.2807,
54.3414

■ 77.8193, 79.2190,
105.7970

■ 65.8340, 74.4165,
43.0615

■ 77.8338, 79.2265,
105.7977

■ 64.0414, 73.6978,
33.6974

■ 77.8484, 79.2340,
105.7984

62.5924, 73.1165,
26.1428

77.8629, 79.2415,
105.7991

61.4648, 72.6638,
20.2809

77.8774, 79.2490,
105.7997

60.6340, 72.3298,
15.9813

77.8919, 79.2565,
105.8004

60.0715, 72.1031,
13.0946

77.9065, 79.2639,
105.8011

59.7434, 71.9702,
11.4425

77.9210, 79.2714,
105.8018

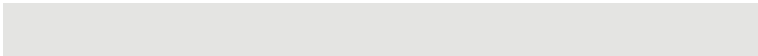
Harmonies

Analogous

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



73.7201, 77.4718, 82.9696



73.4658, 77.4718, 83.0330



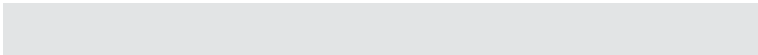
73.2572, 77.4718, 83.4491

Triad

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



73.4658, 77.4718, 83.0330



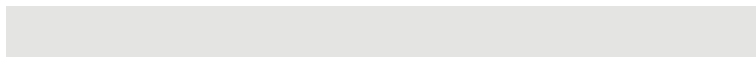
73.3181, 77.4718, 85.4411



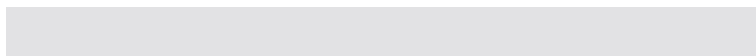
74.1216, 77.4718, 84.5986

Complementary

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



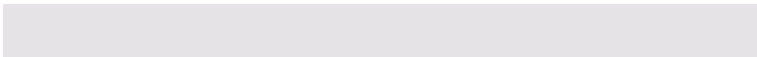
73.4658, 77.4718, 83.0330



72.5669, 76.1650, 84.2794

Split Complementary

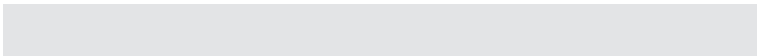
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0134, 77.4718, 85.2647



73.4658, 77.4718, 83.0330



73.5492, 77.4718, 85.7529

Square

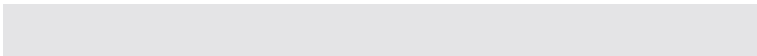
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.4658, 77.4718, 83.0330



73.1720, 77.4718, 84.8384



73.8037, 77.4718, 85.6882



74.0991, 77.4718, 83.8707

Rectangle

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



73.4658, 77.4718, 83.0330



73.1719, 77.4718, 83.8719



73.8037, 77.4718, 85.6882



74.0993, 77.4718, 84.8372

Sweetspot

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



73.4680, 77.4751, 83.0347

95.0500, 100.0000, 108.9000



72.9211, 76.3795, 82.8520



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

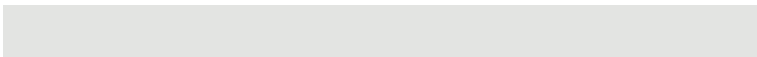
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.4680, 77.4751, 83.0347



94.6402, 99.8359, 106.7520



73.1523, 77.3124, 83.0199



16.1540, 17.0382, 18.2385



34.4128, 41.5219, 6.2008



2.5439, 3.0688, 0.4583

Inverse Universe

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



72.5669, 76.1650, 84.2794



93.3118, 97.9043, 108.5871



72.8808, 76.3268, 84.2941



15.9408, 16.7282, 18.5330



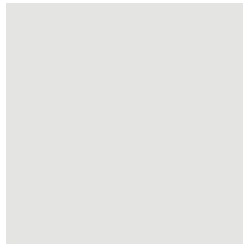
8.0907, 3.2368, 42.5815



0.5988, 0.2397, 3.1467

Previews

White Background



This preview shows how the XYZ color 73.4658, 77.4718, 83.0330 looks on a white background.

Color Contrast Check

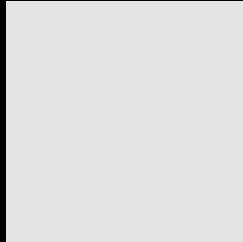
Large Text (above 18pt) WCAG AA × Fail

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 73.4658, 77.4718, 83.0330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

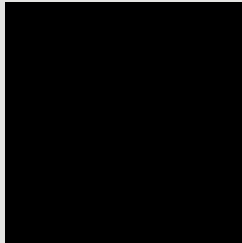
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

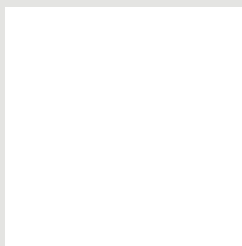
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.4658, 77.4718, 83.0330

Background



This preview shows how black text looks on a background with the XYZ color 73.4658, 77.4718, 83.0330.

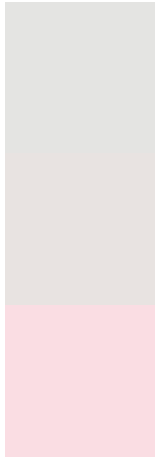


This preview shows how white text looks on a background with the XYZ color 73.4658, 77.4718,

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

73.4658, 77.4718, 83.0330

Protanopia

74.3384, 77.5302, 82.2809

Deuteranopia

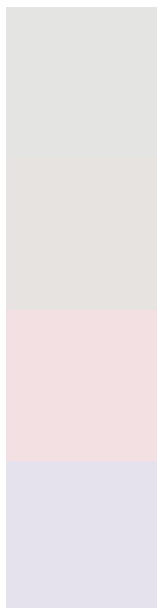
79.1459, 77.5829, 83.4766



Tritanopia

76.0579, 77.3104, 95.7077

Trichromacy



Original Color

73.4658, 77.4718, 83.0330

Protanomaly

74.0147, 77.3633, 82.2658

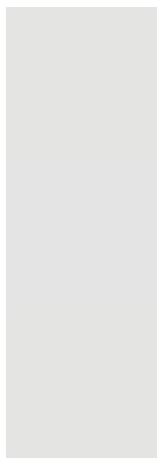
Deuteranomaly

77.1387, 77.7346, 83.6117

Tritanomaly

75.1155, 77.3301, 91.0880

Monochromacy



Original Color

73.4658, 77.4718, 83.0330

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.6034, 77.5268, 83.7579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.4658, 77.4718, 83.0330 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(228, 228, 226) looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 226)  
}
```

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(228, 228, 226) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 73.4658, 77.4718, 83.0330 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(228, 228, 226) }
```

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

```
.border{ border-color:rgb(228, 228, 226) }
```

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

Here you see how a box with a 4 pixel rgb(228, 228, 226) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 73.4658, 77.4718, 83.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(228,  
228, 226) }
```

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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