

Converting Colors

XYZ(73.7680, 77.6097, 84.5170)

Have a look what the booklet for
XYZ(73.7680, 77.6097, 84.5170)
contains.

XYZ(73.7419, 77.5822, 84.4870)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(73.7419, 77.5822,
84.4870)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E4E4
RGB	228, 228, 228
RGB Percent	89%, 89%, 89%
CMY	0.1059, 0.1059, 0.1059
CMYK	0.00, 0.00, 0.00, 0.11
HSL	120°, 0%, 89%
HSV	120°, 0%, 89%
XYZ	73.7419, 77.5822, 84.4870
YIQ	228.0000, 0.0000, 0.0000

Conversions

Conversions Part 2

Format	Color
R_{YB}	228, 228, 228
Decimal	15000804
CIE Lab	90.59, 0.00, -0.01
CIE LCh	91, 0.011, 297.028
Yxy	77.5822, 0.3127, 0.3290
Android (android.graphics.Color)	4293190884 (0xFFE4E4E4)
YUV	228.0000, 0.0000, 0.0000
Hunter-Lab	88.0808, -4.6997, 4.7856

Details

The XYZ color **73.7419, 77.5822, 84.4870** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.7448, 77.5843, 84.4912**, and the grayscale version is **73.7447, 77.5852, 84.4902**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7200, 41.7885, 45.5077** is the 20% darker color. If you saturate the color by 10%, you get **64.0445, 72.9272, 68.5857**, and if you desaturate by 10%, it is **84.8080, 82.8990, 102.6345**.

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 73.7419, 77.5822, 84.4870 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 73.7419, 77.5822, 84.4870 by changing the saturation by 10% instead.

■ 73.7419, 77.5822,
84.4870

■ 73.7419, 77.5822,
84.4870

462.6462,
486.7468, 530.0293

■ 54.8734, 57.7308,
62.8699

123.5273,
129.9610, 141.5240

■ 39.5338, 41.5923,
45.2956

155.1749,
163.2572, 177.7810

■ 27.3578, 28.7822,
31.3457

191.8129,
201.8038, 219.7550

■ 17.9801, 18.9161,
20.6016

233.8066,
245.9852, 267.8645

■ 11.0353, 11.6097,
12.6447

281.5215,
296.1858, 322.5282

■ 6.1581, 6.4785,
7.0565

335.3228,

■ 2.9830, 3.1382,

352.7900, 384.1645

3.4185

395.5759,
416.1822, 453.1920

■ 1.1448, 1.2043,
1.3121

■ 0.0621, 0.0652,
0.0717

■ 73.7419, 77.5822,
84.4870

■ 73.7419, 77.5822,
84.4870

■ 64.0445, 72.9272,
68.5857

■ 84.8080, 82.8990,
102.6345

■ 55.6564, 68.8985,
54.8386

■ 87.0349, 83.9698,
106.2283

■ 48.5235, 65.4726,
43.1545

■ 42.5854, 62.6204,
33.4340

■ 37.7770, 60.3106,
25.5693

■ 34.0265, 58.5089,
19.4424

■ 31.2543, 57.1770,
14.9217

■ 29.3695, 56.2712,
11.8568

■ 28.2639, 55.7397,
10.0692

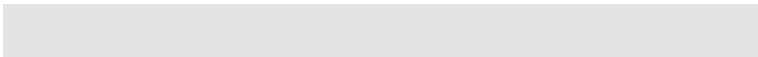
Harmonies

Analogous

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



73.7393, 77.5822, 84.4886



73.7419, 77.5822, 84.4870



73.7439, 77.5822, 84.4819

Triad

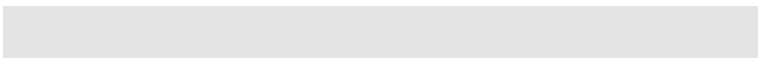
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7419, 77.5822, 84.4870



73.7424, 77.5822, 84.4614



73.7344, 77.5822, 84.4731

Complementary

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



73.7419, 77.5822, 84.4870



73.7448, 77.5843, 84.4912

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.



73.7352, 77.5822, 84.4658



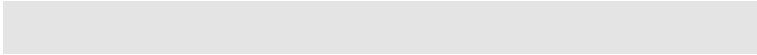
73.7419, 77.5822, 84.4870



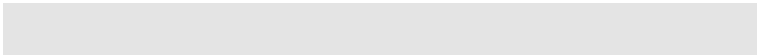
73.7398, 77.5822, 84.4591

Square

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



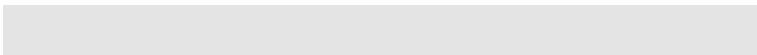
73.7419, 77.5822, 84.4870



73.7442, 77.5822, 84.4671



73.7372, 77.5822, 84.4607



73.7350, 77.5822, 84.4805

Rectangle

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



73.7419, 77.5822, 84.4870



73.7446, 77.5822, 84.4771



73.7372, 77.5822, 84.4607



73.7345, 77.5822, 84.4705

Sweetspot

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



73.7441, 77.5855, 84.4887

95.0500, 100.0000, 108.9000



73.7453, 77.5861, 84.4887



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.



73.7441, 77.5855, 84.4887

95.0500, 100.0000, 108.9000



73.7444, 77.5856, 84.4901



16.2198, 17.0645, 18.5832



16.0284, 32.0444, 5.3404



1.1862, 2.3689, 0.3947

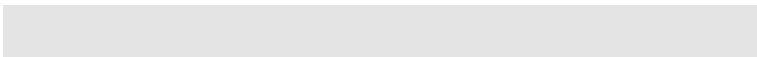
Inverse Universe

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



73.7448, 77.5843, 84.4912

95.0500, 100.0000, 108.9000



73.7445, 77.5842, 84.4898



16.2198, 17.0645, 18.5832



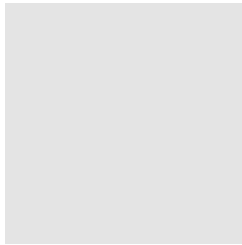
26.4079, 12.6797, 43.4387



1.9532, 0.9379, 3.2101

Previews

White Background



This preview shows how the XYZ color 73.7419, 77.5822, 84.4870 looks on a white background.

Color Contrast Check

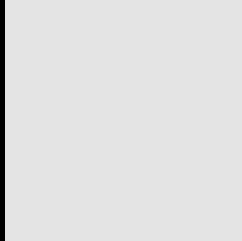
Large Text (above 18pt) WCAG AA × Fail

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 73.7419, 77.5822, 84.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

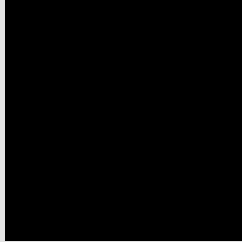
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

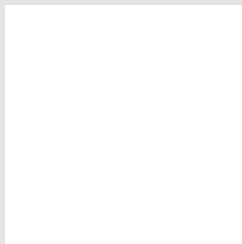
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.7419, 77.5822, 84.4870

Background



This preview shows how black text looks on a background with the XYZ color 73.7419, 77.5822, 84.4870.



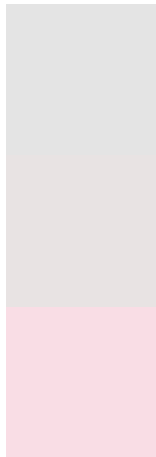
This preview shows how white text looks on a background with the XYZ color 73.7419, 77.5822,

84.4870.

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

73.7419, 77.5822, 84.4870

Protanopia

74.6129, 77.6400, 83.7265

Deuteranopia

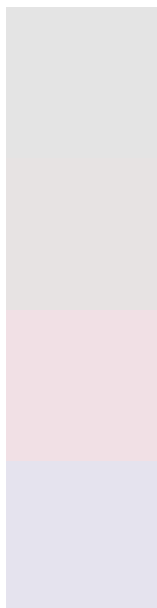
79.0662, 77.5098, 84.9224



Tritanopia

76.0071, 77.6868, 95.7831

Trichromacy



Original Color

73.7419, 77.5822, 84.4870

Protanomaly

74.2892, 77.4731, 83.7114

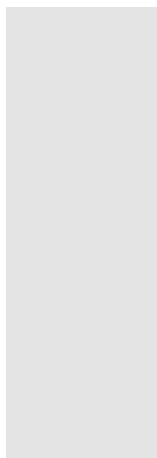
Deuteranomaly

77.0741, 77.6692, 85.0582

Tritanomaly

75.2148, 77.7692, 91.9356

Monochromacy



Original Color

73.7419, 77.5822, 84.4870

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 73.7419, 77.5822, 84.4870 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, 228) looks like.

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

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, 228) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 73.7419, 77.5822, 84.4870 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, 228) }
```

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

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

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, 228)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 73.7419, 77.5822, 84.4870 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, 228) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor