

Converting Colors

XYZ(77.5969, 84.0930, 88.9580)

Have a look what the booklet for
XYZ(77.5969, 84.0930, 88.9580)
contains.

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Color

**XYZ(77.5694, 84.1102,
89.2373)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EFE9
RGB	228, 239, 233
RGB Percent	89%, 94%, 91%
CMY	0.1059, 0.0627, 0.0863
CMYK	0.05, 0.00, 0.03, 0.06
HSL	147°, 26%, 92%
HSV	147°, 5%, 94%
XYZ	77.5694, 84.1102, 89.2373
YIQ	235.0270, -4.6300, -4.1980

Conversions

Conversions Part 2

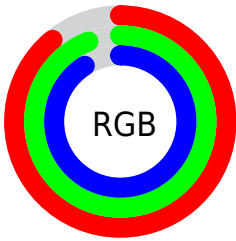
Format	Color
R _Y B	228, 236, 239
Decimal	15003625
CIE Lab	93.50, -4.72, 1.62
CIE LCh	93, 4.992, 161.006
Yxy	84.1102, 0.3091, 0.3352
Android (android.graphics.Color)	4293193705 (0xFFE4EFE9)
YUV	235.0270, -0.9993, -6.1627
Hunter-Lab	91.7116, -9.5206, 6.5077

Details

The XYZ color **77.5694, 84.1102, 89.2373** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.1944, 79.7802, 89.1239**, and the grayscale version is **78.9981, 83.1122, 90.5092**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1029, 45.9255, 48.2404** is the 20% darker color. If you saturate the color by 10%, you get **68.7108, 79.7532, 79.4556**, and if you desaturate by 10%, it is **87.6186, 89.0699, 99.7969**.

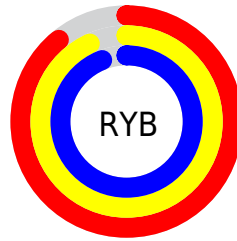
Distribution



Red (89%)

Green (94%)

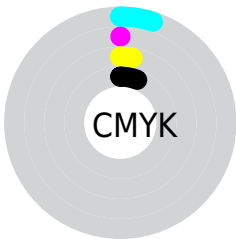
Blue (91%)



Red (89%)

Yellow (93%)

Blue (94%)

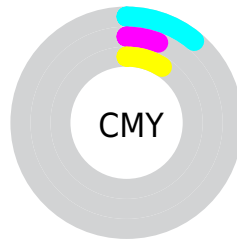


Cyan (5%)

Magenta (0%)

Yellow (3%)

Black (6%)



Cyan (11%)

Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5694, 84.1102, 89.2373 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 77.5694, 84.1102, 89.2373 by changing the saturation by 10% instead.

■ 77.5694, 84.1102,
89.2373

■ 77.5694, 84.1102,
89.2373

475.5654,
508.6791, 546.0526

■ 58.0219, 63.1064,
66.7781

128.9115,
139.1293, 148.2048

■ 42.0696, 45.9273,
48.4438

161.4368,
173.9135, 185.5501

■ 29.3471, 32.1885,
33.8160

199.0188,
214.0598, 228.6946

■ 19.4892, 21.5055,
22.4761

242.0227,
259.9528, 278.0567

■ 12.1304, 13.4940,
14.0055

290.8140,
311.9769, 334.0550

■ 6.9054, 7.7696,
7.9857

345.7579,

■ 3.4488, 3.9479,

370.5163, 397.1081

3.9981

407.2200,
435.9556, 467.6344

■ 1.3953, 1.6444,
1.6243

■ 0.2529, 0.3873,
0.3081

■ 77.5694, 84.1102,
89.2373

■ 77.5694, 84.1102,
89.2373

■ 68.7108, 79.7532,
79.4556

■ 87.6186, 89.0699,
99.7969

■ 60.9900, 75.9648,
70.4288

■ 90.1581, 90.2163,
107.2694

■ 54.3607, 72.7238,
62.1404

■ 48.7705, 70.0037,
54.5714

■ 44.1625, 67.7754,
47.7021

■ 40.4742, 66.0073,
41.5116

■ 37.6354, 64.6633,
35.9780

■ 35.5649, 63.7022,
31.0780

■ 34.1639, 63.0736,
26.7863

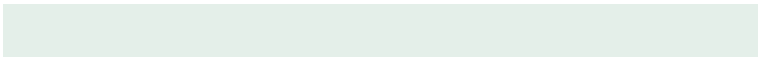
Harmonies

Analogous

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



78.2912, 84.1102, 86.2076



77.5694, 84.1102, 89.2373



77.4798, 84.1102, 92.9757

Triad

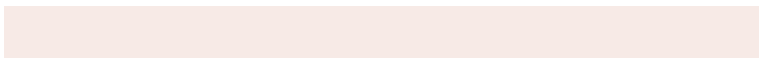
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5694, 84.1102, 89.2373



80.4295, 84.1102, 98.9002



81.8740, 84.1102, 86.8969

Complementary

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



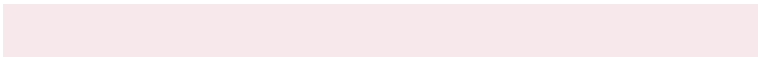
77.5694, 84.1102, 89.2373



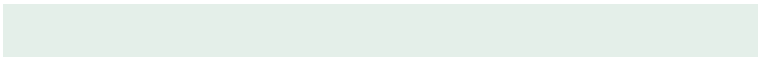
78.1944, 79.7802, 89.1239

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.



82.4604, 84.1102, 90.2017



77.5694, 84.1102, 89.2373



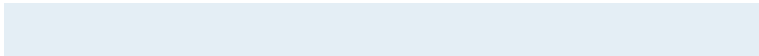
81.6203, 84.1102, 97.1746

Square

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



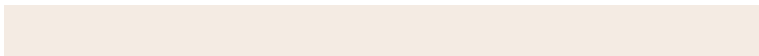
77.5694, 84.1102, 89.2373



79.1214, 84.1102, 98.6247



82.3670, 84.1102, 93.9668



80.7728, 84.1102, 84.8823

Rectangle

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



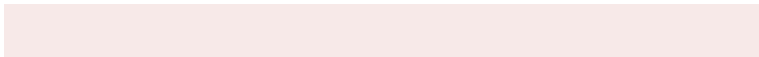
77.5694, 84.1102, 89.2373



77.7895, 84.1102, 95.3755



82.3670, 84.1102, 93.9668



82.1384, 84.1102, 87.8899

Sweetspot

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



77.5718, 84.1138, 89.2391



93.8948, 99.4303, 107.6809



78.8213, 84.8393, 85.6213



20.1095, 21.2882, 23.0610



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

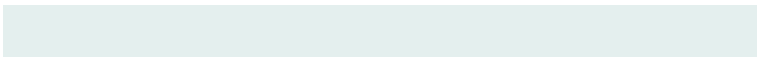
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5718, 84.1138, 89.2391



88.3283, 96.6867, 101.7215



78.3632, 84.4304, 93.4066



16.4223, 18.0504, 18.9205



18.6353, 34.7461, 13.9944



1.5998, 2.9104, 1.4252

Inverse Universe

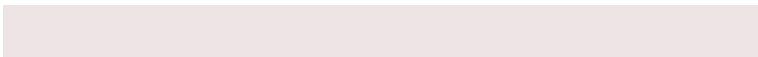
The Inverse Universe completely reimagines the original color for something new.



78.1944, 79.7802, 89.1239



89.2626, 90.1840, 101.5485



77.4227, 79.4715, 85.0600



16.6144, 16.7138, 18.8850



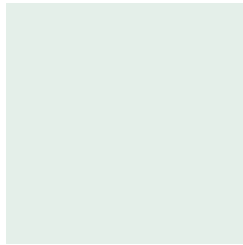
21.9802, 11.0645, 13.0782



1.8787, 0.9405, 1.3520

Previews

White Background



This preview shows how the XYZ color 77.5694, 84.1102, 89.2373 looks on a white background.

Color Contrast Check

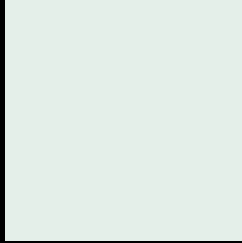
Large Text (above 18pt) WCAG AA × Fail

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 77.5694, 84.1102, 89.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

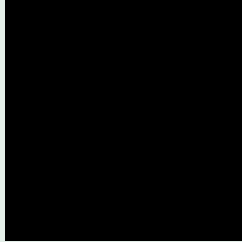
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

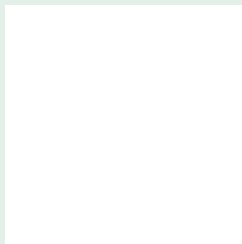
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5694, 84.1102, 89.2373

Background



This preview shows how black text looks on a background with the XYZ color 77.5694, 84.1102, 89.2373.



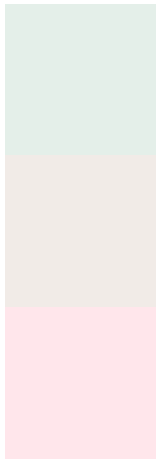
This preview shows how white text looks on a background with the XYZ color 77.5694, 84.1102,

89.2373.

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

77.5694, 84.1102, 89.2373

Protanopia

80.4078, 83.8870, 87.5552

Deuteranopia

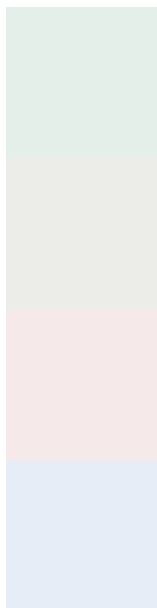
84.5322, 83.8518, 90.3269



Tritanopia

80.8398, 84.1356, 105.7450

Trichromacy



Original Color

77.5694, 84.1102, 89.2373

Protanomaly

79.1530, 83.6500, 88.3182

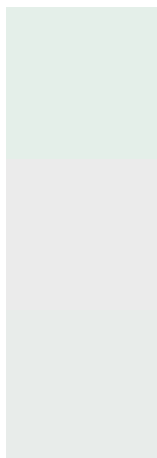
Deuteranomaly

81.6464, 83.6308, 89.6810

Tritanomaly

79.5519, 84.0452, 99.2183

Monochromacy



Original Color

77.5694, 84.1102, 89.2373

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.1254, 83.0872, 89.7617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5694, 84.1102, 89.2373 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, 239, 233) looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 233)  
}
```

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, 239, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.5694, 84.1102, 89.2373 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, 239, 233) }
```


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

```
.border{ border-color:rgb(228, 239, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 239, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 239, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 239, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 239,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5694, 84.1102, 89.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 233) }
```

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

```
.background{ background-color: rgb(228,  
239, 233) }
```

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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