

Converting Colors

XYZ(77.9651, 84.6944, 89.0138)

Have a look what the booklet for
XYZ(77.9651, 84.6944, 89.0138)
contains.

XYZ(78.1812, 84.8614, 89.3501)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(78.1812, 84.8614,
89.3501)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F0E9
RGB	229, 240, 233
RGB Percent	90%, 94%, 91%
CMY	0.1020, 0.0588, 0.0863
CMYK	0.05, 0.00, 0.03, 0.06
HSL	142°, 27%, 92%
HSV	142°, 5%, 94%
XYZ	78.1812, 84.8614, 89.3501
YIQ	235.9130, -4.3090, -4.5090

Conversions

Conversions Part 2

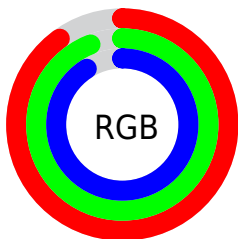
Format	Color
R _Y B	229, 237, 240
Decimal	15069417
CIE Lab	93.82, -4.90, 2.11
CIE LCh	94, 5.330, 156.722
Yxy	84.8614, 0.3098, 0.3362
Android (android.graphics.Color)	4293259497 (0xFFE5F0E9)
YUV	235.9130, -1.4361, -6.0627
Hunter-Lab	92.1202, -9.7199, 6.9771

Details

The XYZ color **78.1812, 84.8614, 89.3501** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.0980, 80.6222, 90.7538**, and the grayscale version is **79.6773, 83.8267, 91.2873**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5319, 46.4540, 48.3198** is the 20% darker color. If you saturate the color by 10%, you get **68.9579, 80.3503, 78.0163**, and if you desaturate by 10%, it is **88.6570, 90.0011, 101.7323**.

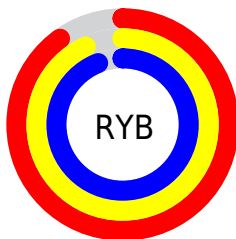
Distribution



Red (90%)

Green (94%)

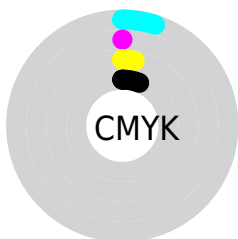
Blue (91%)



Red (90%)

Yellow (93%)

Blue (94%)

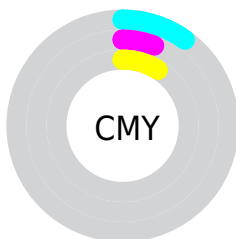


Cyan (5%)

Magenta (0%)

Yellow (3%)

Black (6%)



Cyan (10%)

Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1812, 84.8614, 89.3501 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 78.1812, 84.8614, 89.3501 by changing the saturation by 10% instead.

78.1812, 84.8614,
89.3501

78.1812, 84.8614,
89.3501

477.6124,
511.1693, 546.4299

58.5261, 63.7269,
66.8711

129.7695,
140.1795, 148.3629

42.4767, 46.4295,
48.5189

162.4335,
175.1319, 185.7338

29.6675, 32.5849,
33.8751

200.1645,
215.4590, 228.9058

19.7331, 21.8086,
22.5211

243.3279,
261.5452, 278.2973

12.3083, 13.7163,
14.0383

292.2891,
313.7750, 334.3269

7.0277, 7.9236,
8.0083

347.4133,

3.5259, 4.0461,

372.5327, 397.4132

4.0124

409.0659,
438.2026, 467.9747

■ 1.4376, 1.6994,
1.6321

■ 0.2828, 0.4233,
0.3136

■ 78.1812, 84.8614,
89.3501

■ 78.1812, 84.8614,
89.3501

■ 68.9579, 80.3503,
78.0163

■ 88.6570, 90.0011,
101.7323

■ 60.9319, 76.4329,
67.6982

■ 90.4517, 90.8034,
107.3672

■ 54.0546, 73.0868,
58.3693

■ 48.2710, 70.2846,
50.0002

■ 43.5218, 67.9960,
42.5598

■ 39.7413, 66.1880,
36.0152

■ 36.8564, 64.8236,
30.3318

■ 34.7824, 63.8599,
25.4722

■ 33.4168, 63.2446,
21.3963

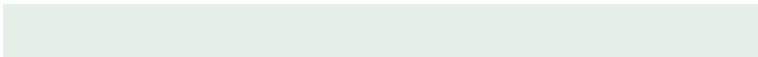
Harmonies

Analogous

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



79.0400, 84.8614, 86.2852



78.1812, 84.8614, 89.3501



77.9825, 84.8614, 93.3160

Triad

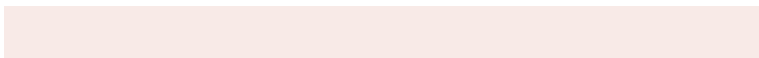
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1812, 84.8614, 89.3501



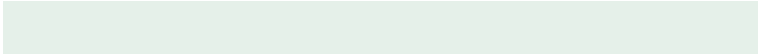
80.9776, 84.8614, 100.3677



82.8619, 84.8614, 87.8120

Complementary

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



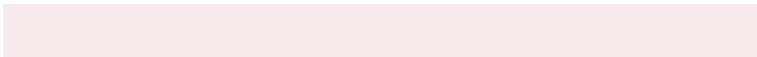
78.1812, 84.8614, 89.3501



79.0980, 80.6222, 90.7538

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.



83.3945, 84.8614, 91.4893



78.1812, 84.8614, 89.3501



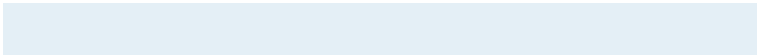
82.2983, 84.8614, 98.7963

Square

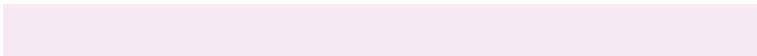
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



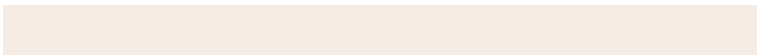
78.1812, 84.8614, 89.3501



79.5863, 84.8614, 99.7545



83.1870, 84.8614, 95.5178



81.7398, 84.8614, 85.4155

Rectangle

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



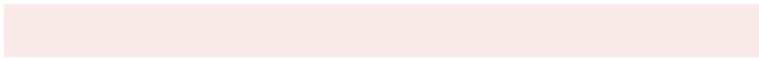
78.1812, 84.8614, 89.3501



78.2490, 84.8614, 95.9530



83.1870, 84.8614, 95.5178



83.1164, 84.8614, 88.9351

Sweetspot

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



78.1836, 84.8650, 89.3520



93.8578, 99.4155, 107.4859



79.9481, 85.8400, 86.4850



20.1020, 21.2852, 23.0213



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

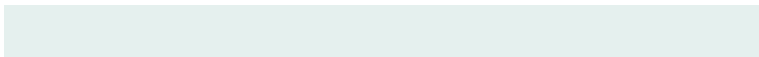
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1836, 84.8650, 89.3520



88.1148, 96.6014, 100.5976



78.9602, 85.1757, 93.4415



16.3785, 18.0329, 18.6897



18.0629, 34.5172, 10.9800



1.5488, 2.8900, 1.1565

Inverse Universe

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



79.0980, 80.6222, 90.7538



89.4792, 90.2706, 102.6893



78.3316, 80.3157, 86.7180



16.6589, 16.7317, 19.1196



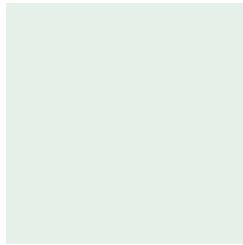
22.8741, 11.4221, 17.7853



1.9505, 0.9692, 1.7300

Previews

White Background



This preview shows how the XYZ color 78.1812, 84.8614, 89.3501 looks on a white background.

Color Contrast Check

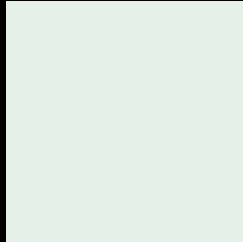
Large Text (above 18pt) WCAG AA × Fail

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 78.1812, 84.8614, 89.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

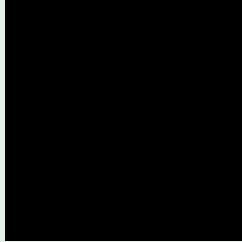
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

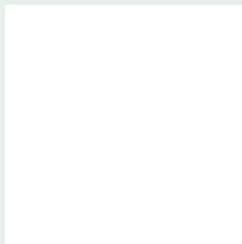
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1812, 84.8614, 89.3501

Background



This preview shows how black text looks on a background with the XYZ color 78.1812, 84.8614, 89.3501.



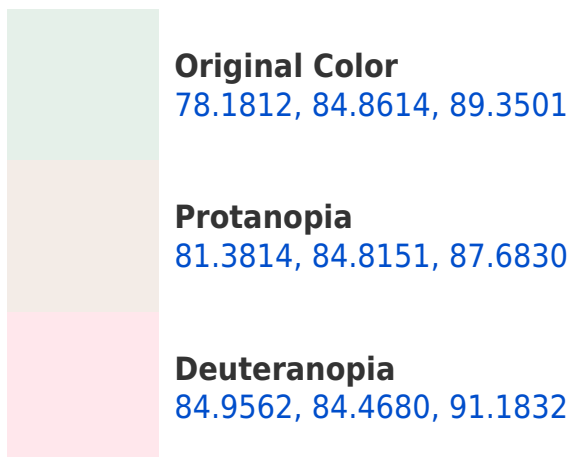
This preview shows how white text looks on a background with the XYZ color 78.1812, 84.8614,

89.3501.

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

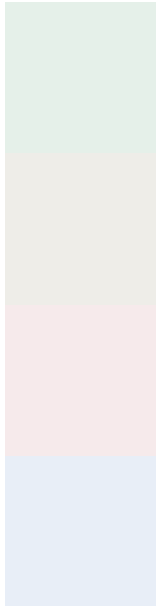




Tritanopia

81.9385, 85.1120, 106.7174

Trichromacy



Original Color

78.1812, 84.8614, 89.3501

Protanomaly

80.1096, 84.5717, 88.4457

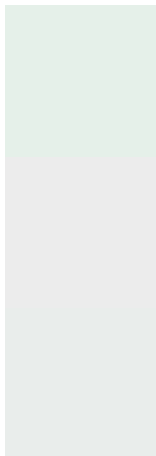
Deuteranomaly

82.4243, 84.4366, 90.5509

Tritanomaly

80.6417, 85.0203, 100.1560

Monochromacy



Original Color

78.1812, 84.8614, 89.3501

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.8839, 83.8902, 90.6321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1812, 84.8614, 89.3501 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(229, 240, 233) looks like.

```
.text, #text, p{  
    color:rgb(229, 240, 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(229, 240, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 240, 233) }
```

Border

The CSS property to change the border of an element to XYZ 78.1812, 84.8614, 89.3501 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(229, 240, 233) }
```


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

```
.border{ border-color:rgb(229, 240, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 240, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 240, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 240, 233);  
box-shadow:4px 4px 4px 4px rgb(229, 240,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1812, 84.8614, 89.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 240, 233) }
```

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

```
.background{ background-color: rgb(229,  
240, 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](#).

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