

Converting Colors

XYZ(80.0419, 89.6432, 86.6061)

Have a look what the booklet for
XYZ(80.0419, 89.6432, 86.6061)
contains.

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Color

**XYZ(79.8841, 89.3943,
86.4433)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F8E4
RGB	229, 248, 228
RGB Percent	90%, 97%, 89%
CMY	0.1020, 0.0274, 0.1059
CMYK	0.08, 0.00, 0.08, 0.03
HSL	117°, 59%, 93%
HSV	117°, 8%, 97%
XYZ	79.8841, 89.3943, 86.4433
YIQ	240.0390, -4.9040, -10.2480

Conversions

Conversions Part 2

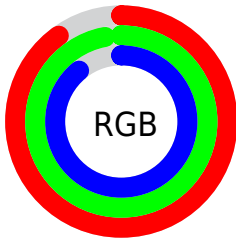
Format	Color
R_{YB}	228, 248, 247
Decimal	15071460
CIE Lab	95.74, -9.80, 7.47
CIE LCh	96, 12.325, 142.680
Yxy	89.3943, 0.3124, 0.3496
Android (android.graphics.Color)	4293261540 (0xFFE5F8E4)
YUV	240.0390, -5.9352, -9.6812
Hunter-Lab	94.5486, -14.6453, 11.9767

Details

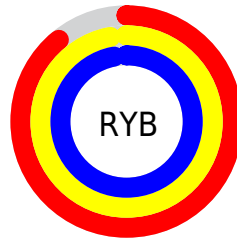
The XYZ color **79.8841, 89.3943, 86.4433** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.0481, 82.0408, 100.2700**, and the grayscale version is **82.9049, 87.2224, 94.9852**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6260, 49.6006, 46.8097** is the 20% darker color. If you saturate the color by 10%, you get **69.6711, 84.5015, 69.2642**, and if you desaturate by 10%, it is **91.6163, 95.0183, 106.2753**.

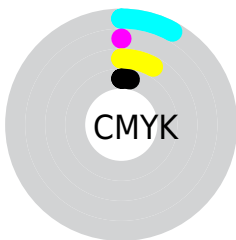
Distribution



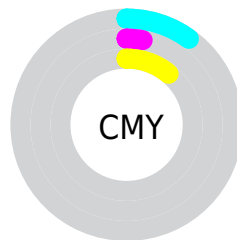
- Red (90%)
- Green (97%)
- Blue (89%)



- Red (89%)
- Yellow (97%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (10%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.8841, 89.3943, 86.4433 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 79.8841, 89.3943, 86.4433 by changing the saturation by 10% instead.


 79.8841, 89.3943,
86.4433

 79.8841, 89.3943,
86.4433


483.2846,
526.0586, 536.6604

 59.9311, 67.4784,
64.4776


132.1542,
146.4968, 144.2800

 43.6124, 49.4735,
46.5890


165.2019,
182.4521, 180.9880

 30.5625, 34.9952,
32.3588

203.3454,
223.8560, 223.4473

 20.4161, 23.6592,
21.3686

246.9498,
271.0930, 272.0762

 12.8079, 15.0810,
13.1999

296.3806,
324.5473, 327.2935

 7.3725, 8.8763,
7.4340

352.0031,

 3.7445, 4.6606,

384.6034, 389.5176

3.6524

414.1827,
451.6457, 459.1671

■ 1.5586, 2.0495,
1.4367

■ 0.3652, 0.6360,
0.1701

■ 79.8841, 89.3943,
86.4433

■ 79.8841, 89.3943,
86.4433

■ 69.6711, 84.5015,
69.2642

■ 91.6163, 95.0183,
106.2753

■ 60.9081, 80.2991,
54.6198

■ 92.8592, 95.6183,
108.1697

■ 53.5317, 76.7594,
42.3922

■ 47.4707, 73.8487,
32.4514

■ 42.6479, 71.5299,
24.6553

■ 38.9775, 69.7626,
18.8463

■ 36.3634, 68.5008,
14.8447

■ 34.6934, 67.6914,
12.4387

■ 33.8257, 67.2676,
11.3389

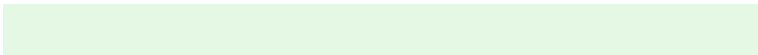
Harmonies

Analogous

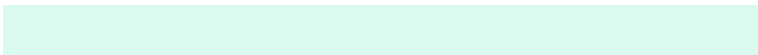
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4762, 89.3943, 81.0963



79.8841, 89.3943, 86.4433



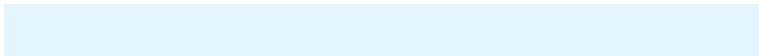
78.6598, 89.3943, 94.9745

Triad

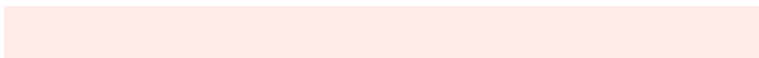
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8841, 89.3943, 86.4433



84.1383, 89.3943, 117.0643



91.1282, 89.3943, 90.3083

Complementary

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



79.8841, 89.3943, 86.4433



83.0481, 82.0408, 100.2700

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.



91.6018, 89.3943, 99.7347



79.8841, 89.3943, 86.4433



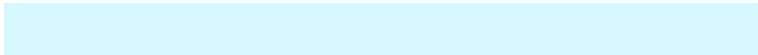
87.5066, 89.3943, 115.6089

Square

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



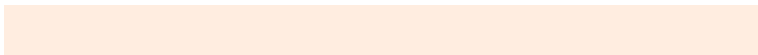
79.8841, 89.3943, 86.4433



81.0731, 89.3943, 112.9600



90.2602, 89.3943, 109.1056



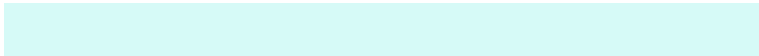
88.9828, 89.3943, 83.2220

Rectangle

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



79.8841, 89.3943, 86.4433



78.7604, 89.3943, 101.4937



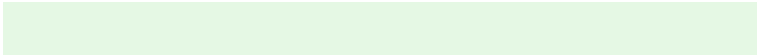
90.2602, 89.3943, 109.1056



91.4905, 89.3943, 93.2919

Sweetspot

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



79.8866, 89.3981, 86.4453



92.4795, 98.7685, 104.5503



85.9798, 92.0840, 86.6425



19.8213, 21.1534, 22.4236



0.0000, 0.0000, 0.0000



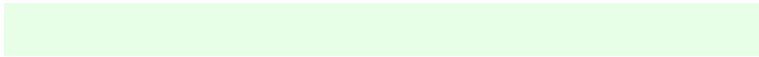
20.3446, 21.4041, 23.3091

Same Dimension

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



79.8866, 89.3981, 86.4453



82.8549, 94.1565, 88.3024



80.8513, 89.7473, 93.1852



17.0976, 19.3506, 18.2963



18.2511, 36.3271, 6.0499



1.7177, 3.3786, 0.5616

Inverse Universe

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



83.0481, 82.0408, 100.2700



86.9807, 84.5549, 106.3441



82.0379, 81.6776, 93.1060



17.9023, 17.4778, 21.8153



27.8060, 13.2772, 49.0708



2.6009, 1.2429, 4.5460

Previews

White Background



This preview shows how the XYZ color 79.8841, 89.3943, 86.4433 looks on a white background.

Color Contrast Check

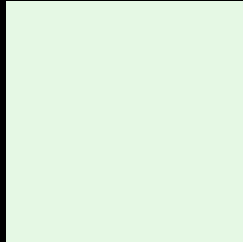
Large Text (above 18pt) WCAG AA × Fail

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 79.8841, 89.3943, 86.4433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

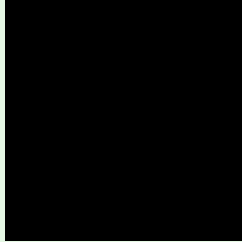
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

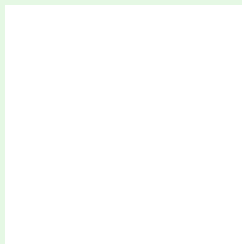
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.8841, 89.3943, 86.4433

Background



This preview shows how black text looks on a background with the XYZ color 79.8841, 89.3943, 86.4433.



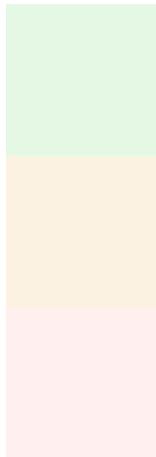
This preview shows how white text looks on a background with the XYZ color 79.8841, 89.3943,

86.4433.

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

79.8841, 89.3943, 86.4433

Protanopia

85.1264, 89.4497, 84.0130

Deuteranopia

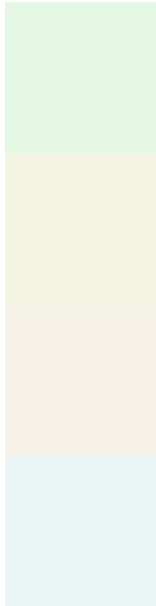
87.5391, 89.1661, 93.4859



Tritanopia

85.3605, 89.4983, 107.3837

Trichromacy



Original Color

79.8841, 89.3943, 86.4433

Protanomaly

83.0403, 89.2470, 84.8012

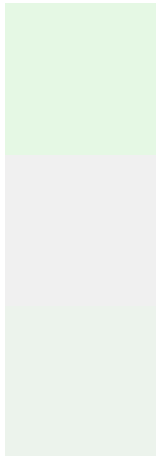
Deuteranomaly

84.6094, 89.0376, 90.5685

Tritanomaly

83.3948, 89.5596, 99.2775

Monochromacy



Original Color

79.8841, 89.3943, 86.4433

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.7830, 87.9902, 92.0303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8841, 89.3943, 86.4433 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, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(229, 248, 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(229, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 228) }
```

Border

The CSS property to change the border of an element to XYZ 79.8841, 89.3943, 86.4433 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, 248, 228) }
```


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

```
.border{ border-color:rgb(229, 248, 228) }
```

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

Here you see how a box with a 4 pixel rgb(229, 248, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(229, 248,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8841, 89.3943, 86.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 248, 228) }
```

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

```
.background{ background-color: rgb(229,  
248, 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](#).

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