

Converting Colors

XYZ(80.8885, 93.1369, 88.4773)

Have a look what the booklet for
XYZ(80.8885, 93.1369, 88.4773)
contains.

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Color

**XYZ(80.7834, 93.0805,
88.5715)**

Conversions

Conversions Part 1

Format	Color
Hex	E0FFE6
RGB	224, 255, 230
RGB Percent	88%, 100%, 90%
CMY	0.1216, 0.0000, 0.0980
CMYK	0.12, 0.00, 0.10, 0.00
HSL	132°, 100%, 94%
HSV	132°, 12%, 100%
XYZ	80.7834, 93.0805, 88.5715
YIQ	242.8810, -10.4510, -14.3470

Conversions

Conversions Part 2

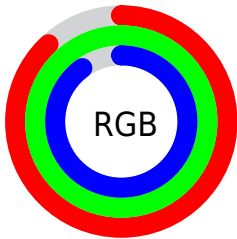
Format	Color
RYB	224, 250, 255
Decimal	14745574
CIELab	97.26, -14.57, 8.58
CIELCh	97, 16.907, 149.513
Yxy	93.0805, 0.3078, 0.3547
Android (android.graphics.Color)	4292935654 (0xFFE0FFE6)
YUV	242.8810, -6.3503, -16.5586
Hunter-Lab	96.4782, -19.3748, 13.1038

Details

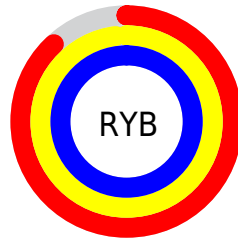
The XYZ color **80.7834, 93.0805, 88.5715** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.9949, 81.4117, 100.8565**, and the grayscale version is **85.1512, 89.5857, 97.5588**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2941, 51.9183, 48.2441** is the 20% darker color. If you saturate the color by 10%, you get **70.7441, 88.2192, 73.9057**, and if you desaturate by 10%, it is **92.3502, 98.6897, 105.0901**.

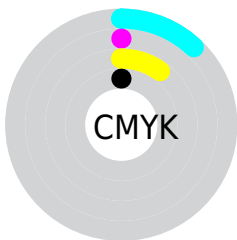
Distribution



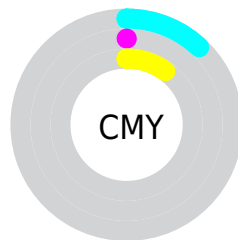
- Red (88%)
- Green (100%)
- Blue (90%)



- Red (88%)
- Yellow (98%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.7834, 93.0805, 88.5715 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 80.7834, 93.0805, 88.5715 by changing the saturation by 10% instead.


 80.7834, 93.0805,
88.5715

 80.7834, 93.0805,
88.5715


486.2655,
538.0015, 543.8227

 60.6739, 70.5384,
66.2294


133.4113,
151.6101, 147.2707

 44.2136, 51.9656,
48.0010


166.6605,
188.3663, 184.4649

 31.0371, 36.9777,
33.4677


205.0203,
230.6294, 227.4469

 20.7791, 25.1902,
22.2109

248.8560,
278.7838, 276.6352

 13.0741, 16.2188,
13.8122

298.5330,
333.2138, 332.4484

 7.5570, 9.6791,
7.8529

354.4167,

 3.8622, 5.1867,

394.3038, 395.3050

3.9145

416.8724,
462.4382, 465.6236

■ 1.6245, 2.3572,
1.5786

■ 0.4083, 0.8038,
0.2755

■ 80.7834, 93.0805,
88.5715

■ 80.7834, 93.0805,
88.5715

■ 70.7441, 88.2192,
73.9057

■ 92.3502, 98.6897,
105.0901

■ 62.1656, 84.0731,
61.0237

95.0500, 100.0000,
108.9000

■ 54.9796, 80.6082,
49.8586

■ 49.1115, 77.7878,
40.3378

■ 44.4795, 75.5711,
32.3833

■ 40.9924, 73.9132,
25.9110

■ 38.5463, 72.7621,
20.8284

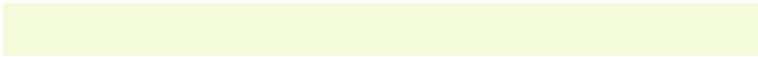
■ 37.0169, 72.0561,
17.0330

■ 36.3220, 71.7448,
14.8795

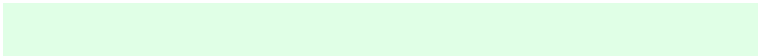
Harmonies

Analogous

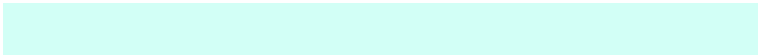
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0190, 93.0805, 80.1231



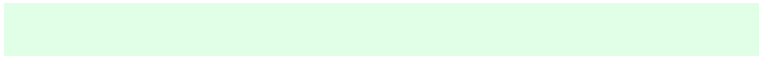
80.7834, 93.0805, 88.5715



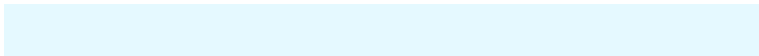
79.5935, 93.0805, 101.1253

Triad

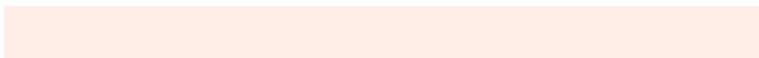
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7834, 93.0805, 88.5715



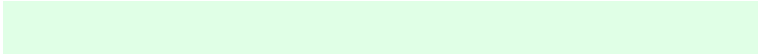
88.3921, 93.0805, 130.0169



96.7127, 93.0805, 88.9262

Complementary

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



80.7834, 93.0805, 88.5715



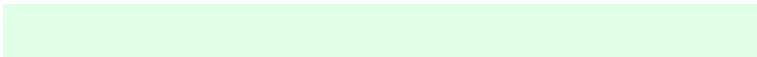
84.9949, 81.4117, 100.8565

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.



97.9835, 93.0805, 101.5727



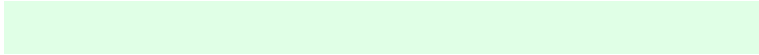
80.7834, 93.0805, 88.5715



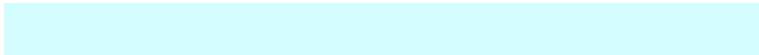
93.0759, 93.0805, 126.0267

Square

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



80.7834, 93.0805, 88.5715



83.8884, 93.0805, 125.7682



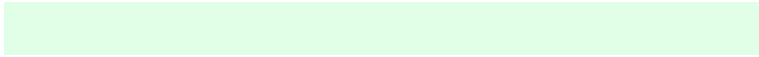
96.6298, 93.0805, 115.2995



93.2160, 93.0805, 80.3145

Rectangle

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



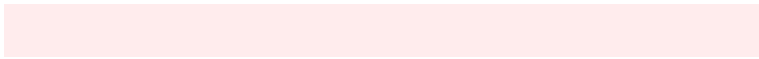
80.7834, 93.0805, 88.5715



80.0862, 93.0805, 110.3984



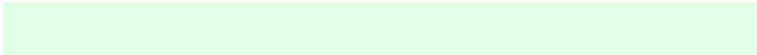
96.6298, 93.0805, 115.2995



97.4198, 93.0805, 92.8078

Sweetspot

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



80.7841, 93.0808, 88.5729



90.1001, 97.5980, 101.9028



88.3948, 97.0999, 84.6054



19.0919, 20.7963, 21.5370



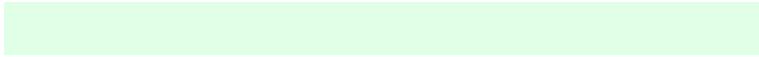
0.0000, 0.0000, 0.0000



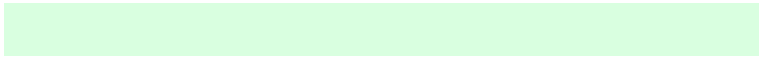
20.3446, 21.4041, 23.3091

Same Dimension

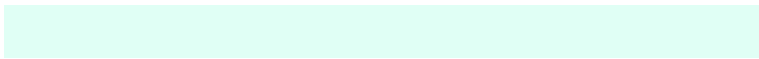
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7841, 93.0808, 88.5729



77.7765, 91.6236, 84.2165



83.0105, 93.9713, 100.2966



17.9152, 20.2256, 19.8566



19.0196, 37.5044, 7.9886



1.8878, 3.6660, 0.9670

Inverse Universe

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



84.9949, 81.4117, 100.8565



82.8691, 77.5092, 99.0717



82.7212, 80.5022, 88.8833



18.6330, 18.2365, 21.9507



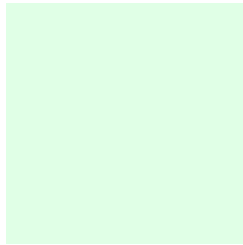
27.4007, 13.4496, 31.8241



2.7048, 1.3243, 3.2926

Previews

White Background



This preview shows how the XYZ color 80.7834, 93.0805, 88.5715 looks on a white background.

Color Contrast Check

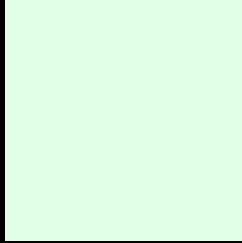
Large Text (above 18pt) WCAG AA × Fail

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 80.7834, 93.0805, 88.5715 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

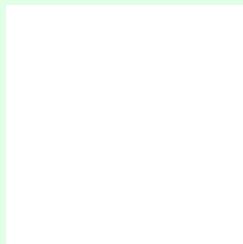
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.7834, 93.0805, 88.5715

Background



This preview shows how black text looks on a background with the XYZ color 80.7834, 93.0805, 88.5715.



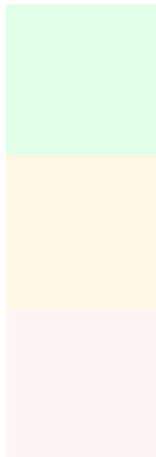
This preview shows how white text looks on a background with the XYZ color 80.7834, 93.0805,

88.5715.

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

80.7834, 93.0805, 88.5715

Protanopia

88.1994, 92.7730, 86.6572

Deuteranopia

89.7683, 92.4324, 97.9040

Tritanopia

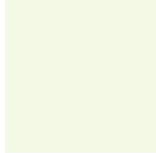
87.8930, 93.0556, 107.9368

Trichromacy



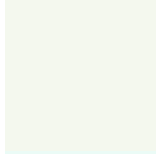
Original Color

80.7834, 93.0805, 88.5715



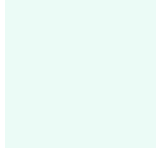
Protanomaly

85.3268, 92.6416, 87.5132



Deuteranomaly

86.3082, 92.5409, 94.2022



Tritanomaly

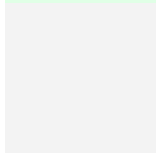
85.3927, 93.3103, 100.6988

Monochromacy



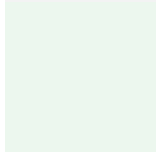
Original Color

80.7834, 93.0805, 88.5715



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.2855, 90.5274, 93.9729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.7834, 93.0805, 88.5715 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(224, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 230)  
}
```

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(224, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 80.7834, 93.0805, 88.5715 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(224, 255, 230) }
```


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

```
.border{ border-color:rgb(224, 255, 230) }
```

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

Here you see how a box with a 4 pixel rgb(224, 255, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 80.7834, 93.0805, 88.5715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 230) }
```

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

```
.background{ background-color: rgb(224,  
255, 230) }
```

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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