

Converting Colors

XYZ(82.9409, 98.0356, 80.1660)

Have a look what the booklet for
XYZ(82.9409, 98.0356, 80.1660)
contains.

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Color

**XYZ(80.5975, 93.1878,
79.3847)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E5FFD9 |
| RGB | 229, 255, 217 |
| RGB Percent | 90%, 100%, 85% |
| CMY | 0.1020, 0.0000, 0.1490 |
| CMYK | 0.10, 0.00, 0.15, 0.00 |
| HSL | 101°, 100%, 93% |
| HSV | 101°, 15%, 100% |
| XYZ | 80.5975, 93.1878, 79.3847 |
| YIQ | 242.8940, -3.2980, -17.3300 |

Conversions

Conversions Part 2

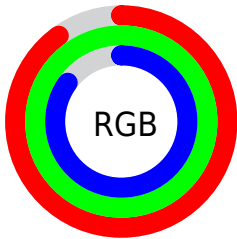
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 217, 255, 243 |
| Decimal | 15073241 |
| CIE _{Lab} | 97.30, -15.12, 15.34 |
| CIE _{LCh} | 97, 21.543, 134.579 |
| Yxy | 93.1878, 0.3184, 0.3681 |
| Android (android.graphics.Color) | 4293263321 (0xFFE5FFD9) |
| YUV | 242.8940, -12.7657, -12.1850 |
| Hunter-Lab | 96.5338, -19.9019, 18.8165 |

Details

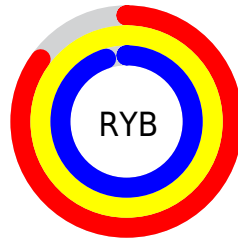
The XYZ color **80.5975, 93.1878, 79.3847** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **79.8258, 75.9015, 105.0509**, and the grayscale version is **85.2068, 89.6442, 97.6225**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9493, 51.8810, 41.8801** is the 20% darker color. If you saturate the color by 10%, you get **72.2423, 89.2346, 62.9968**, and if you desaturate by 10%, it is **90.0262, 97.6351, 98.5008**.

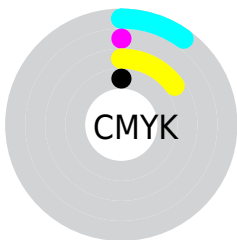
Distribution



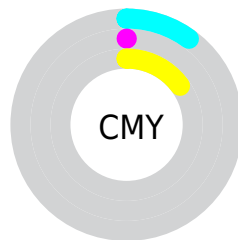
- Red (90%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.5975, 93.1878, 79.3847 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 80.5975, 93.1878, 79.3847 by changing the saturation by 10% instead.


 80.5975, 93.1878,
79.3847

 80.5975, 93.1878,
79.3847


485.6501,
538.3470, 512.5088

 60.5203, 70.6276,
58.6890


133.1516,
151.7586, 134.3039

 44.0892, 52.0384,
41.9444


166.3592,
188.5380, 169.3644

 30.9389, 37.0356,
28.7325

204.6743,
230.8259, 210.0503

 20.7039, 25.2351,
18.6347

248.4623,
279.0067, 256.7800

 13.0190, 16.2523,
11.2325

298.0885,
333.4648, 309.9722

 7.5187, 9.7029,
6.1073

353.9183,

 3.8377, 5.2024,

394.5847, 370.0454

2.8406

416.3171,
462.7506, 437.4181

■ 1.6108, 2.3665,
1.0138

■ 0.3994, 0.8086,
0.0000

■ 80.5975, 93.1878,
79.3847

■ 80.5975, 93.1878,
79.3847

■ 72.2423, 89.2346,
62.9968

■ 90.0262, 97.6351,
98.5008

■ 64.9186, 85.7567,
49.2085

95.0500, 100.0000,
108.9000

■ 58.5846, 82.7354,
37.8872

■ 53.1947, 80.1504,
28.8872

■ 48.6992, 77.9797,
22.0470

■ 45.0435, 76.1989,
17.1846

■ 42.1657, 74.7809,
14.0883

■ 39.9931, 73.6938,
12.4973

■ 39.1128, 73.2485,
12.0769

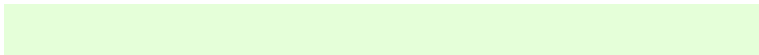
Harmonies

Analogous

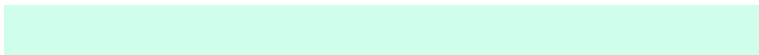
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6546, 93.1878, 72.3225



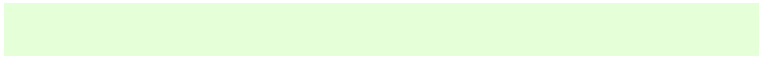
80.5975, 93.1878, 79.3847



77.7469, 93.1878, 92.7988

Triad

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



80.5975, 93.1878, 79.3847



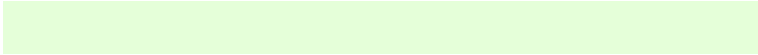
85.4919, 93.1878, 137.3868



100.4069, 93.1878, 93.2486

Complementary

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



80.5975, 93.1878, 79.3847



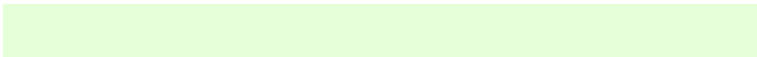
79.8258, 75.9015, 105.0509

Split Complementary

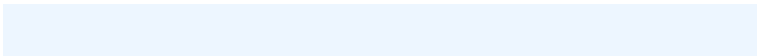
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.3584, 93.1878, 110.6561



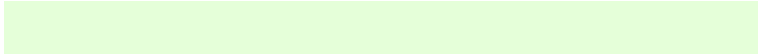
80.5975, 93.1878, 79.3847



91.5554, 93.1878, 137.5432

Square

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



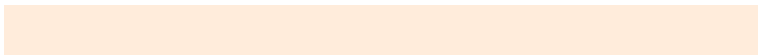
80.5975, 93.1878, 79.3847



80.4831, 93.1878, 126.8973



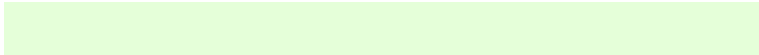
97.0563, 93.1878, 127.3028



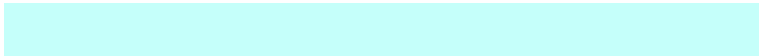
97.1859, 93.1878, 79.6814

Rectangle

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



80.5975, 93.1878, 79.3847



77.3949, 93.1878, 104.1691



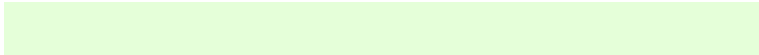
97.0563, 93.1878, 127.3028



100.7770, 93.1878, 98.8095

Sweetspot

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



80.5981, 93.1881, 79.3861



90.9298, 98.0607, 100.3613



85.8054, 90.3515, 78.5641



19.3011, 20.9129, 21.1487



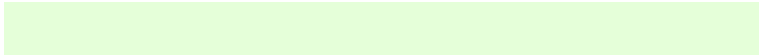
0.0000, 0.0000, 0.0000



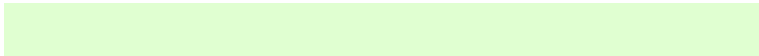
20.3446, 21.4041, 23.3091

Same Dimension

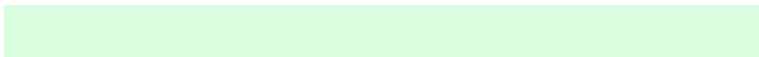
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5981, 93.1881, 79.3861



77.8960, 91.9110, 74.0216



77.8261, 91.6521, 84.0872



18.3113, 20.4464, 19.1258



20.5728, 38.3437, 6.3168



2.1105, 3.7888, 0.6201

Inverse Universe

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



79.8258, 75.9015, 105.0509



76.9820, 71.4839, 104.3481



83.0019, 77.6661, 99.4507



18.2020, 17.9959, 22.7642



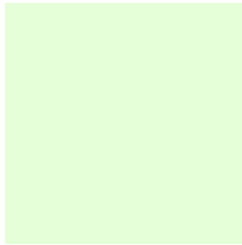
18.7692, 8.5864, 50.1027



1.9407, 0.8944, 4.8836

Previews

White Background



This preview shows how the XYZ color 80.5975, 93.1878, 79.3847 looks on a white background.

Color Contrast Check

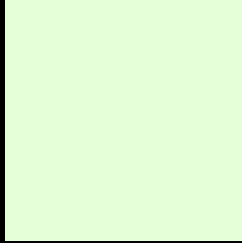
Large Text (above 18pt) WCAG AA × Fail

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 80.5975, 93.1878, 79.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

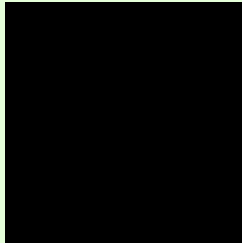
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

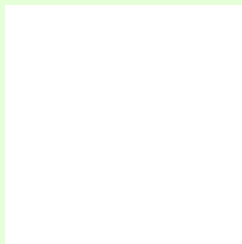
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5975, 93.1878, 79.3847

Background



This preview shows how black text looks on a background with the XYZ color 80.5975, 93.1878, 79.3847.



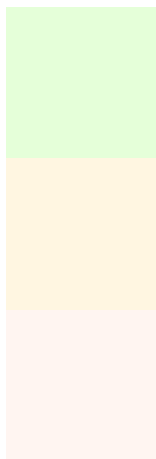
This preview shows how white text looks on a background with the XYZ color 80.5975, 93.1878,

79.3847.

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

80.5975, 93.1878, 79.3847

Protanopia

87.7864, 92.6078, 84.4824

Deuteranopia

89.7696, 92.9157, 96.4222

Tritanopia

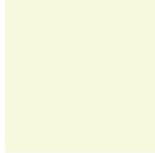
88.2729, 92.7962, 107.8667

Trichromacy



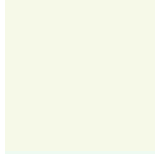
Original Color

80.5975, 93.1878, 79.3847



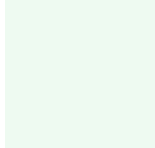
Protanomaly

85.0665, 92.6181, 82.5008



Deuteranomaly

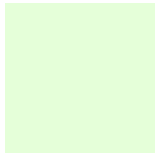
86.4472, 93.1704, 89.7714



Tritanomaly

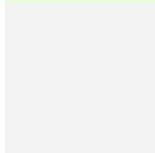
85.3227, 92.8992, 96.6534

Monochromacy



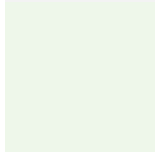
Original Color

80.5975, 93.1878, 79.3847



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

83.3719, 90.6392, 90.9428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5975, 93.1878, 79.3847 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, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 217)  
}
```

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, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 80.5975, 93.1878, 79.3847 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, 255, 217) }
```


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

```
.border{ border-color:rgb(229, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 255, 217); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 255, 217); box-shadow:4px 4px 4px 4px rgb(229, 255, 217) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5975, 93.1878, 79.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 217) }
```

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

```
.background{ background-color: rgb(229,  
255, 217) }
```

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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