

Converting Colors

XYZ(81.9181, 93.2185, 87.5125)

Have a look what the booklet for XYZ(81.9181, 93.2185, 87.5125) contains.

- XYZ(81.8978, 93.1988, 87.8014) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(81.8978, 93.1988,
87.8014)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FEE5
RGB	229, 254, 229
RGB Percent	90%, 100%, 90%
CMY	0.1020, 0.0039, 0.1020
CMYK	0.10, 0.00, 0.10, 0.00
HSL	120°, 93%, 95%
HSV	120°, 10%, 100%
XYZ	81.8978, 93.1988, 87.8014
YIQ	243.6750, -6.8750, -13.0750

Conversions

Conversions Part 2

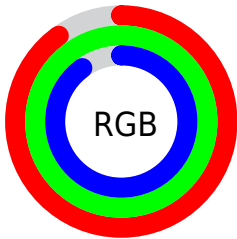
Format	Color
R_{YB}	229, 254, 254
Decimal	15072997
CIE Lab	97.31, -12.61, 9.20
CIE LCh	97, 15.610, 143.874
Yxy	93.1988, 0.3115, 0.3545
Android (android.graphics.Color)	4293263077 (0xFFE5FEE5)
YUV	243.6750, -7.2348, -12.8700
Hunter-Lab	96.5395, -17.5165, 13.6542

Details

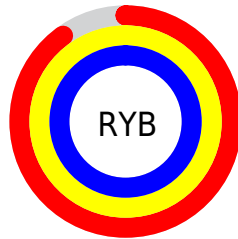
The XYZ color **81.8978, 93.1988, 87.8014** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **86.7852, 84.2675, 105.4617**, and the grayscale version is **85.7915, 90.2593, 98.2924**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8398, 51.8727, 47.6935** is the 20% darker color. If you saturate the color by 10%, you get **71.0876, 88.0089, 70.1172**, and if you desaturate by 10%, it is **94.4179, 99.2156, 108.2781**.

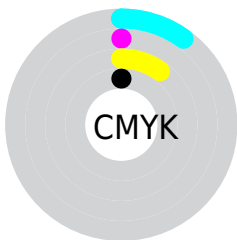
Distribution



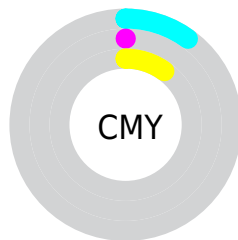
- Red (90%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8978, 93.1988, 87.8014 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 81.8978, 93.1988, 87.8014 by changing the saturation by 10% instead.

 81.8978, 93.1988,
87.8014

 81.8978, 93.1988,
87.8014


489.9455,
538.3824, 541.2371

 61.5951, 70.6367,
65.5952


134.9672,
151.7738, 146.1893

 44.9600, 52.0458,
47.4895


168.4647,
188.5556, 183.2082

 31.6271, 37.0416,
33.0656


207.0912,
230.8460, 226.0016

 21.2310, 25.2397,
21.9052

251.2119,
279.0295, 274.9882

 13.4064, 16.2557,
13.5896

301.1924,
333.4906, 330.5865

 7.7879, 9.7053,
7.7003

357.3979,

 4.0102, 5.2040,

394.6134, 393.2151

3.8188

420.1938,
462.7826, 463.2924

■ 1.7079, 2.3674,
1.5265

■ 0.4612, 0.8091,
0.2375

■ 81.8978, 93.1988,
87.8014

■ 81.8978, 93.1988,
87.8014

■ 71.0876, 88.0089,
70.1172

94.4179, 99.2156,
108.2781

■ 61.9059, 83.5984,
55.0988

94.7336, 99.3673,
108.7945

■ 54.2761, 79.9334,
42.6189

■ 48.1126, 76.9728,
32.5373

■ 43.3213, 74.6713,
24.7002

■ 39.7973, 72.9786,
18.9361

■ 37.4208, 71.8370,
15.0487

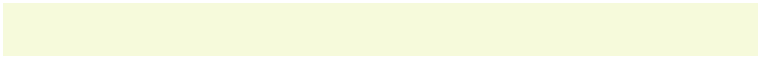
■ 36.0487, 71.1779,
12.8043

■ 35.4508, 70.8907,
11.8263

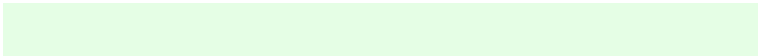
Harmonies

Analogous

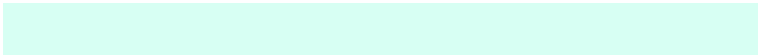
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1894, 93.1988, 80.8196



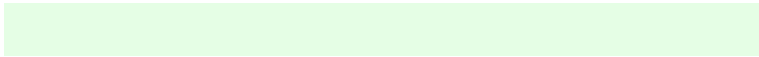
81.8978, 93.1988, 87.8014



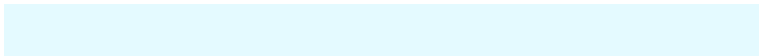
80.4031, 93.1988, 98.9038

Triad

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



81.8978, 93.1988, 87.8014



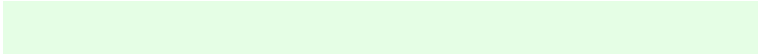
87.6793, 93.1988, 127.6361



96.5788, 93.1988, 91.9477

Complementary

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



81.8978, 93.1988, 87.8014



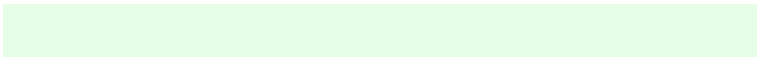
86.7852, 84.2675, 105.4617

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.



97.2990, 93.1988, 104.0958



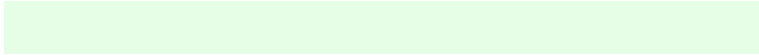
81.8978, 93.1988, 87.8014



92.0649, 93.1988, 125.3863

Square

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



81.8978, 93.1988, 87.8014



83.6689, 93.1988, 122.4208



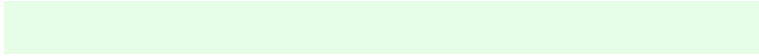
95.6217, 93.1988, 116.5051



93.6852, 93.1988, 83.0706

Rectangle

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



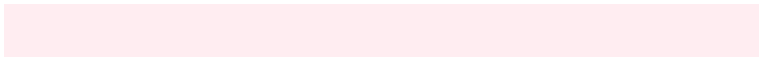
81.8978, 93.1988, 87.8014



80.5901, 93.1988, 107.4228



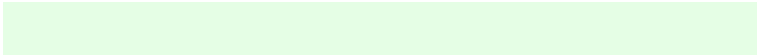
95.6217, 93.1988, 116.5051



97.0870, 93.1988, 95.7560

Sweetspot

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



81.9004, 93.2028, 87.8034



91.0839, 98.0949, 102.4128



90.4619, 97.6164, 88.2039



19.2746, 20.8901, 21.5589



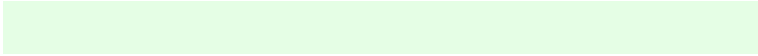
0.0000, 0.0000, 0.0000



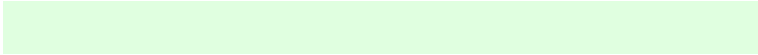
20.3446, 21.4041, 23.3091

Same Dimension

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



81.9004, 93.2028, 87.8034



80.1335, 92.8349, 84.5014



83.7098, 93.9266, 97.3318



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



86.7852, 84.2675, 105.4617



86.0532, 82.0066, 105.9008



84.8475, 83.4925, 95.2578



18.7928, 18.3004, 22.7918



30.9801, 14.8813, 50.6730



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 81.8978, 93.1988, 87.8014 looks on a white background.

Color Contrast Check

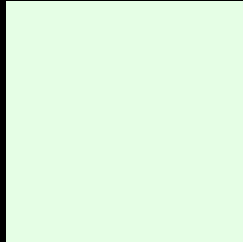
Large Text (above 18pt) WCAG AA × Fail

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 81.8978, 93.1988, 87.8014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

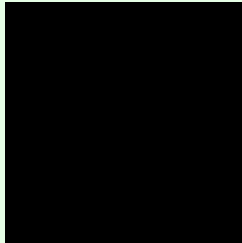
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

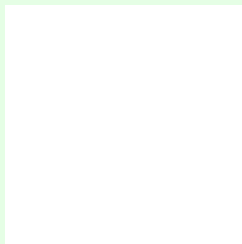
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8978, 93.1988, 87.8014

Background



This preview shows how black text looks on a background with the XYZ color 81.8978, 93.1988, 87.8014.



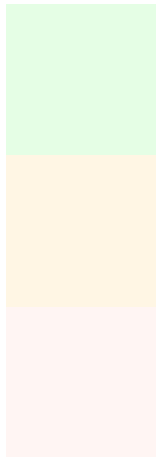
This preview shows how white text looks on a background with the XYZ color 81.8978, 93.1988,

87.8014.

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

81.8978, 93.1988, 87.8014

Protanopia

88.1994, 92.7730, 86.6572

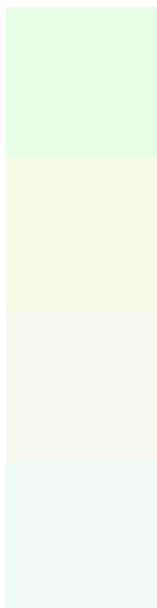
Deuteranopia

90.0701, 93.0359, 98.0045

Tritanopia

88.2729, 92.7962, 107.8667

Trichromacy



Original Color

81.8978, 93.1988, 87.8014

Protanomaly

85.8853, 92.9456, 86.8124

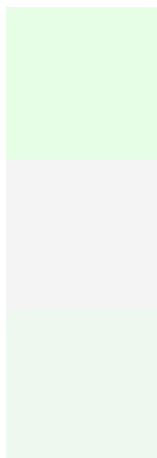
Deuteranomaly

87.0061, 92.9007, 94.2348

Tritanomaly

86.0801, 93.2022, 100.6417

Monochromacy



Original Color

81.8978, 93.1988, 87.8014

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.7440, 91.7175, 94.8981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8978, 93.1988, 87.8014 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, 254, 229)` looks like.

```
.text, #text, p{  
    color:rgb(229, 254, 229)  
}
```

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, 254, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 254, 229) }
```

Border

The CSS property to change the border of an element to XYZ 81.8978, 93.1988, 87.8014 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, 254, 229) }
```


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

```
.border{ border-color:rgb(229, 254, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 254, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 254, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 254, 229);  
box-shadow:4px 4px 4px 4px rgb(229, 254,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8978, 93.1988, 87.8014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 254, 229) }
```

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

```
.background{ background-color: rgb(229,  
254, 229) }
```

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