

Converting Colors

XYZ(86.0970, 100.0000,
95.9109)

Have a look what the booklet for
XYZ(86.0970, 100.0000, 95.9109)
contains.

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Color

**XYZ(83.1875, 94.1870,
94.6844)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFEE
RGB	228, 255, 238
RGB Percent	89%, 100%, 93%
CMY	0.1059, 0.0000, 0.0667
CMYK	0.11, 0.00, 0.07, 0.00
HSL	142°, 100%, 95%
HSV	142°, 11%, 100%
XYZ	83.1875, 94.1870, 94.6844
YIQ	244.9890, -10.6350, -11.0110

Conversions

Conversions Part 2

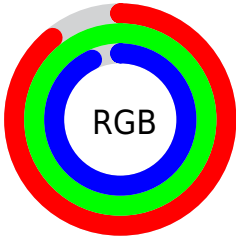
Format	Color
R_{YB}	228, 248, 255
Decimal	15007726
CIE _{Lab}	97.71, -11.84, 5.15
CIE _{LCh}	98, 12.914, 156.506
Yxy	94.1870, 0.3058, 0.3462
Android (android.graphics.Color)	4293197806 (0xFFE4FFEE)
YUV	244.9890, -3.4456, -14.8994
Hunter-Lab	97.0500, -16.8342, 10.0902

Details

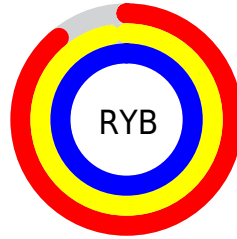
The XYZ color **83.1875, 94.1870, 94.6844** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.4653, 83.3403, 97.9678**, and the grayscale version is **86.8147, 91.3359, 99.4647**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6508, 52.5362, 51.9904** is the 20% darker color. If you saturate the color by 10%, you get **73.4308, 89.4177, 82.4592**, and if you desaturate by 10%, it is **94.3494, 99.6563, 108.0764**.

Distribution



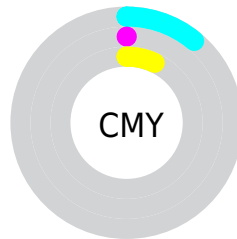
- Red (89%)
- Green (100%)
- Blue (93%)



- Red (89%)
- Yellow (97%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.1875, 94.1870, 94.6844 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 83.1875, 94.1870, 94.6844 by changing the saturation by 10% instead.


 83.1875, 94.1870,
94.6844

 83.1875, 94.1870,
94.6844


494.1857,
541.5590, 564.1126

 62.6623, 71.4585,
71.2769


136.7652,
153.1409, 155.8203

 45.8257, 52.7165,
52.0850


170.5484,
190.1352, 194.3859

 32.3123, 37.5765,
36.6901


209.4816,
232.6534, 238.8411

 21.7569, 25.6541,
24.6737

253.9302,
281.0801, 289.6047

 13.7940, 16.5651,
15.6173

304.2596,
335.7996, 347.0951

 8.0582, 9.9249,
9.1024

360.8350,

 4.1844, 5.3492,

397.1963, 411.7308

4.7103

424.0220,
465.6546, 483.9305

■ 1.8070, 2.4536,
2.0226

■ 0.5219, 0.8532,
0.5691

■ 83.1875, 94.1870,
94.6844

■ 83.1875, 94.1870,
94.6844

■ 73.4308, 89.4177,
82.4592

94.3494, 99.6563,
108.0764

■ 65.0193, 85.3183,
71.3652

95.0500, 100.0000,
108.9000

■ 57.8923, 81.8580,
61.3711

■ 51.9833, 79.0033,
52.4429

■ 47.2194, 76.7173,
44.5444

■ 43.5198, 74.9591,
37.6376

■ 40.7923, 73.6820,
31.6819

■ 38.9275, 72.8305,
26.6337

■ 37.8007, 72.3363,
22.6664

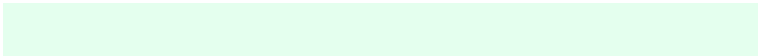
Harmonies

Analogous

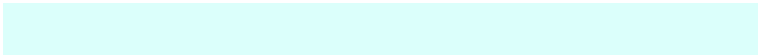
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3776, 94.1870, 87.1105



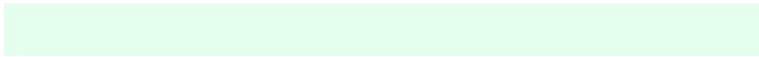
83.1875, 94.1870, 94.6844



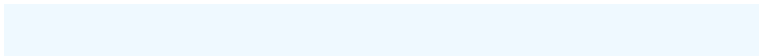
82.6733, 94.1870, 104.8671

Triad

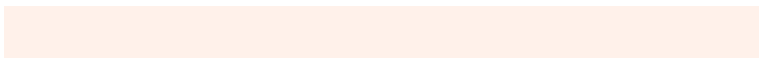
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1875, 94.1870, 94.6844



90.3261, 94.1870, 124.0368



95.3314, 94.1870, 90.9631

Complementary

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



83.1875, 94.1870, 94.6844



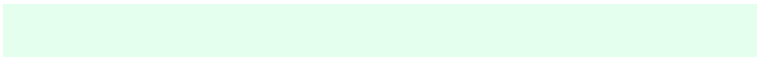
85.4653, 83.3403, 97.9678

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.



96.7387, 94.1870, 100.2744



83.1875, 94.1870, 94.6844



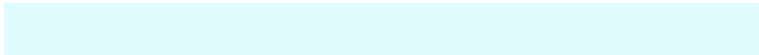
93.7982, 94.1870, 119.7219

Square

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



83.1875, 94.1870, 94.6844



86.7303, 94.1870, 122.2860



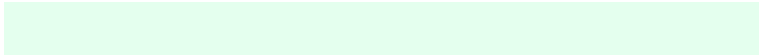
96.1700, 94.1870, 110.8472



92.3728, 94.1870, 85.0671

Rectangle

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



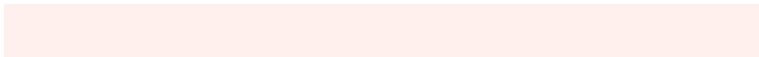
83.1875, 94.1870, 94.6844



83.3373, 94.1870, 111.8671



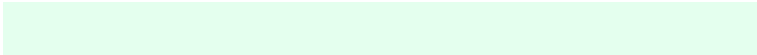
96.1700, 94.1870, 110.8472



96.0052, 94.1870, 93.7720

Sweetspot

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



83.1883, 94.1874, 94.6859



91.5255, 98.2715, 104.7379



87.4551, 96.5521, 87.4271



19.3933, 20.9376, 22.1840



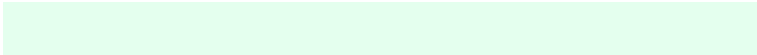
0.0000, 0.0000, 0.0000



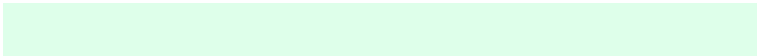
20.3446, 21.4041, 23.3091

Same Dimension

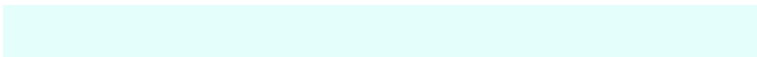
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1883, 94.1874, 94.6859



80.7081, 92.9738, 91.6309



85.2312, 95.0046, 105.4435



18.0497, 20.2794, 20.5649



19.8175, 37.8236, 12.1904



1.9802, 3.7030, 1.4536

Inverse Universe

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



85.4653, 83.3403, 97.9678



83.4570, 79.8771, 95.5926



83.4928, 82.5513, 87.5809



18.4905, 18.1795, 21.2004



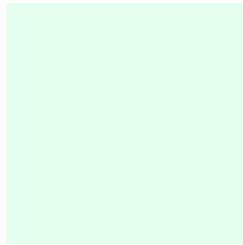
24.9639, 12.4749, 18.9924



2.4835, 1.2358, 2.1273

Previews

White Background



This preview shows how the XYZ color 83.1875, 94.1870, 94.6844 looks on a white background.

Color Contrast Check

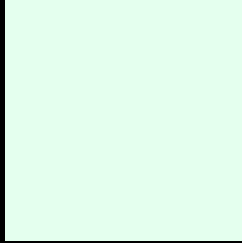
Large Text (above 18pt) WCAG AA × Fail

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 83.1875, 94.1870, 94.6844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

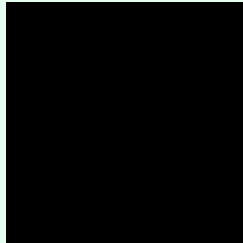
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

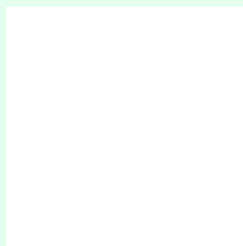
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1875, 94.1870, 94.6844

Background



This preview shows how black text looks on a background with the XYZ color 83.1875, 94.1870, 94.6844.



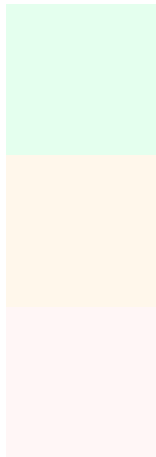
This preview shows how white text looks on a background with the XYZ color 83.1875, 94.1870,

94.6844.

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

83.1875, 94.1870, 94.6844

Protanopia

89.4962, 93.7797, 91.9816

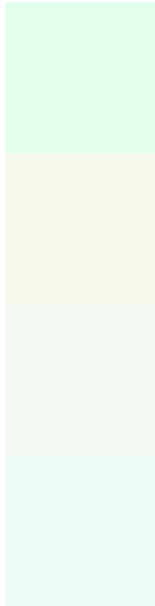
Deuteranopia

90.8303, 93.8254, 100.5116

Tritanopia

89.2339, 94.2045, 108.0879

Trichromacy



Original Color

83.1875, 94.1870, 94.6844

Protanomaly

86.9821, 93.8398, 92.8853

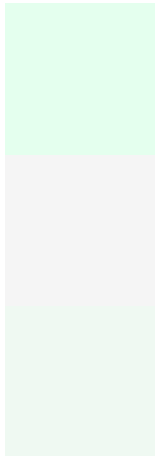
Deuteranomaly

87.7095, 93.6349, 98.2446

Tritanomaly

86.8560, 94.0111, 103.1907

Monochromacy



Original Color

83.1875, 94.1870, 94.6844

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.4993, 92.5129, 97.3549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1875, 94.1870, 94.6844 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(228, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 238)  
}
```

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(228, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 238) }
```

Border

The CSS property to change the border of an element to XYZ 83.1875, 94.1870, 94.6844 is called "border". The border property can be set on classes, ids or directly on the HTML element.

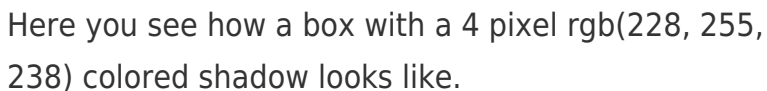
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 255, 238) }
```


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

```
.border{ border-color:rgb(228, 255, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 255, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 255, 238); box-shadow:4px 4px 4px 4px rgb(228, 255, 238) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1875, 94.1870, 94.6844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 238) }
```

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

```
.background{ background-color: rgb(228,  
255, 238) }
```

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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