

Converting Colors

XYZ(90.0575, 106.8095,
100.0561)

Have a look what the booklet for
XYZ(90.0575, 106.8095, 100.0561)
contains.

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Color

**XYZ(83.7819, 94.4248,
97.8144)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FFF2
RGB	228, 255, 242
RGB Percent	89%, 100%, 95%
CMY	0.1059, 0.0000, 0.0510
CMYK	0.11, 0.00, 0.05, 0.00
HSL	151°, 100%, 95%
HSV	151°, 11%, 100%
XYZ	83.7819, 94.4248, 97.8144
YIQ	245.4450, -11.9190, -9.7670

Conversions

Conversions Part 2

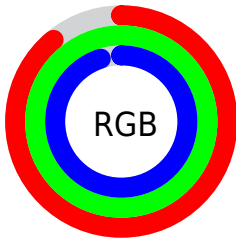
Format	Color
R_{YB}	228, 246, 255
Decimal	15007730
CIE _{Lab}	97.80, -11.12, 3.23
CIE _{LCh}	98, 11.580, 163.791
Yxy	94.4248, 0.3035, 0.3421
Android (android.graphics.Color)	4293197810 (0xFFE4FFF2)
YUV	245.4450, -1.6984, -15.2993
Hunter-Lab	97.1724, -16.1493, 8.3390

Details

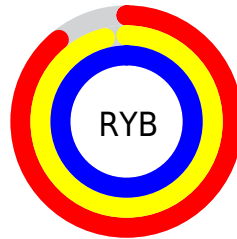
The XYZ color **83.7819, 94.4248, 97.8144** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.8611, 83.0986, 94.7860**, and the grayscale version is **87.1690, 91.7086, 99.8707**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0703, 52.7040, 54.1991** is the 20% darker color. If you saturate the color by 10%, you get **74.4974, 89.8444, 88.0758**, and if you desaturate by 10%, it is **94.3850, 99.6706, 108.2638**.

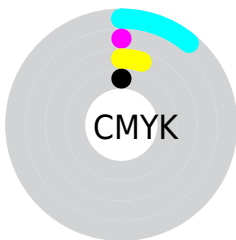
Distribution



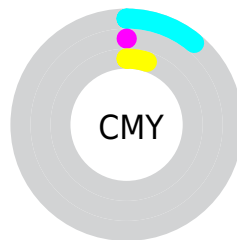
- Red (89%)
- Green (100%)
- Blue (95%)



- Red (89%)
- Yellow (96%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.7819, 94.4248, 97.8144 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 83.7819, 94.4248, 97.8144 by changing the saturation by 10% instead.


 83.7819, 94.4248,
97.8144

 83.7819, 94.4248,
97.8144


496.1333,
542.3219, 574.3492

 63.1545, 71.6563,
73.8698

137.5929,
153.4697, 160.1760

 46.2253, 52.8780,
54.1914


171.5072,
190.5149, 199.4301

 32.6290, 37.7054,
38.3605


210.5811,
233.0879, 244.6245

 22.0003, 25.7541,
25.9586

255.1801,
281.5729, 296.1776

 13.9737, 16.6398,
16.5672

305.6694,
336.3544, 354.5082

 8.1840, 9.9780,
9.7677

362.4145,

 4.2657, 5.3844,

397.8168, 420.0346

5.1416

425.7807,
466.3445, 493.1754

■ 1.8535, 2.4745,
2.2704

■ 0.5496, 0.8638,
0.7146

■ 83.7819, 94.4248,
97.8144

■ 83.7819, 94.4248,
97.8144

■ 74.4974, 89.8444,
88.0758

94.3850, 99.6706,
108.2638

■ 66.4746, 85.9004,
79.0285

95.0500, 100.0000,
108.9000

■ 59.6560, 82.5635,
70.6582

■ 53.9783, 79.8013,
62.9485

■ 49.3725, 77.5785,
55.8825

■ 45.7615, 75.8558,
49.4421

■ 43.0571, 74.5880,
43.6084

■ 41.1545, 73.7213,
38.3608

■ 39.9407, 73.1923,
33.9353

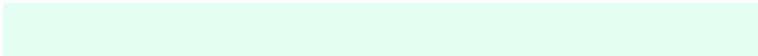
Harmonies

Analogous

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



85.4209, 94.4248, 90.2240



83.7819, 94.4248, 97.8144



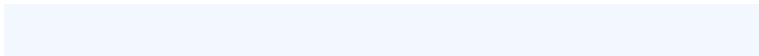
83.7156, 94.4248, 107.2130

Triad

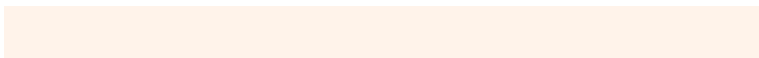
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7819, 94.4248, 97.8144



91.2716, 94.4248, 121.5236



94.4148, 94.4248, 90.7230

Complementary

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



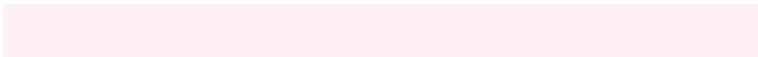
83.7819, 94.4248, 97.8144



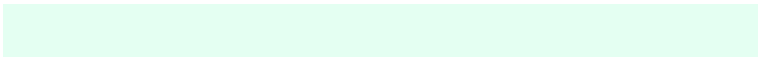
84.8611, 83.0986, 94.7860

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.



96.0633, 94.4248, 98.5342



83.7819, 94.4248, 97.8144



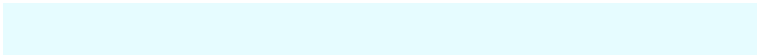
94.2187, 94.4248, 116.5207

Square

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



83.7819, 94.4248, 97.8144



87.9853, 94.4248, 121.3014



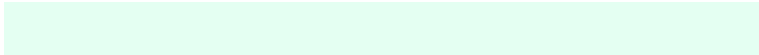
95.9907, 94.4248, 107.9781



91.5339, 94.4248, 86.3049

Rectangle

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



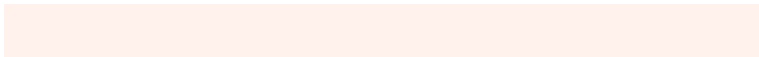
83.7819, 94.4248, 97.8144



84.5686, 94.4248, 113.2723



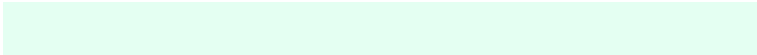
95.9907, 94.4248, 107.9781



95.1346, 94.4248, 93.0174

Sweetspot

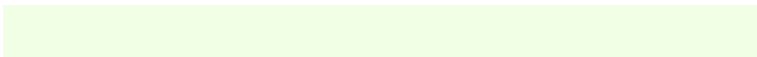
The Sweet Spot groups the original color and five complimentary colors.



83.7827, 94.4252, 97.8159



91.7039, 98.3429, 105.6777



86.0568, 95.8313, 87.3617



19.4414, 20.9569, 22.4374



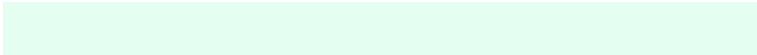
0.0000, 0.0000, 0.0000



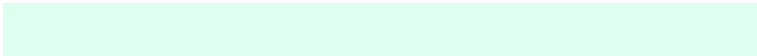
20.3446, 21.4041, 23.3091

Same Dimension

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



83.7827, 94.4252, 97.8159



81.4242, 93.2603, 95.4019



85.6621, 94.9475, 108.4196



18.1649, 20.3255, 21.1715



20.9458, 38.2749, 18.1318



2.0947, 3.7488, 2.0563

Inverse Universe

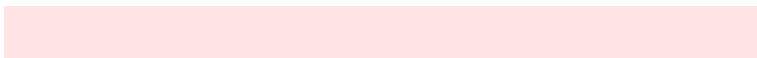
The Inverse Universe completely reimagines the original color for something new.



84.8611, 83.0986, 94.7860



82.7261, 79.5848, 91.7438



83.1117, 82.5972, 84.9625



18.3737, 18.1328, 20.5849



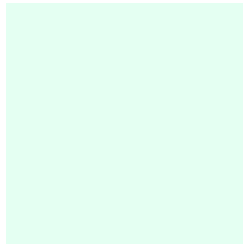
23.4839, 11.8829, 11.1986



2.3414, 1.1789, 1.3793

Previews

White Background



This preview shows how the XYZ color 83.7819, 94.4248, 97.8144 looks on a white background.

Color Contrast Check

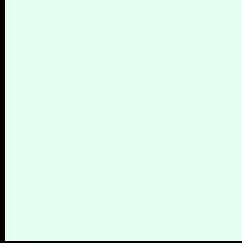
Large Text (above 18pt) WCAG AA × Fail

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 83.7819, 94.4248, 97.8144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

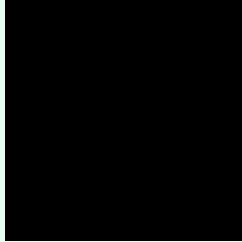
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

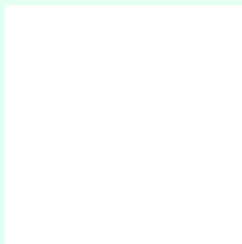
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7819, 94.4248, 97.8144

Background



This preview shows how black text looks on a background with the XYZ color 83.7819, 94.4248, 97.8144.



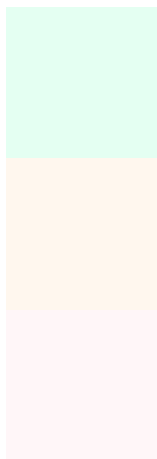
This preview shows how white text looks on a background with the XYZ color 83.7819, 94.4248,

97.844.

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

83.7819, 94.4248, 97.8144

Protanopia

89.9334, 93.9546, 94.2840

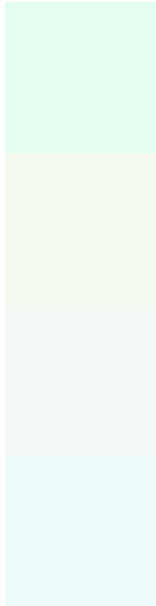
Deuteranopia

91.1390, 93.9488, 102.1373

Tritanopia

89.2339, 94.2045, 108.0879

Trichromacy



Original Color

83.7819, 94.4248, 97.8144

Protanomaly

87.4218, 94.0157, 95.2006

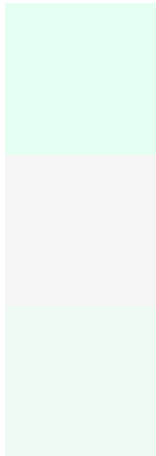
Deuteranomaly

88.1664, 93.8177, 100.6505

Tritanomaly

87.0124, 94.0736, 104.0145

Monochromacy



Original Color

83.7819, 94.4248, 97.8144

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

85.8014, 92.6337, 98.9458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7819, 94.4248, 97.8144 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 83.7819, 94.4248, 97.8144 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, 242) }
```


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

```
.border{ border-color:rgb(228, 255, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 83.7819, 94.4248, 97.8144 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, 242) }
```

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

```
.background{ background-color: rgb(228,  
255, 242) }
```

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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