

Converting Colors

XYZ(84.8078, 100.0000,
96.3843)

Have a look what the booklet for
XYZ(84.8078, 100.0000, 96.3843)
contains.

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Color

**XYZ(81.4642, 93.2816,
95.3729)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | DEFFEF |
| RGB | 222, 255, 239 |
| RGB Percent | 87%, 100%, 94% |
| CMY | 0.1294, 0.0000, 0.0627 |
| CMYK | 0.13, 0.00, 0.06, 0.00 |
| HSL | 151°, 100%, 94% |
| HSV | 151°, 13%, 100% |
| XYZ | 81.4642, 93.2816, 95.3729 |
| YIQ | 243.3090, -14.5320, -11.9720 |

Conversions

Conversions Part 2

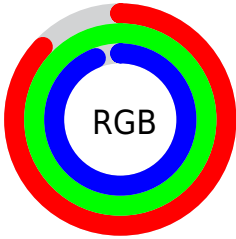
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 222, 244, 255 |
| Decimal | 14614511 |
| CIE Lab | 97.34, -13.59, 4.06 |
| CIE LCh | 97, 14.186, 163.384 |
| Yxy | 93.2816, 0.3016, 0.3453 |
| Android (android.graphics.Color) | 4292804591 (0xFFDEFFEF) |
| YUV | 243.3090, -2.1243, -18.6880 |
| Hunter-Lab | 96.5824, -18.4601, 9.0602 |

Details

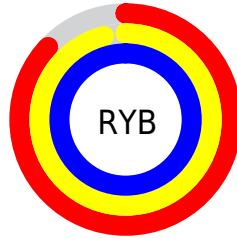
The XYZ color **81.4642, 93.2816, 95.3729** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.7944, 79.6766, 91.9043**, and the grayscale version is **85.4617, 89.9124, 97.9146**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6777, 52.0226, 52.4863** is the 20% darker color. If you saturate the color by 10%, you get **72.4711, 88.8493, 85.7421**, and if you desaturate by 10%, it is **91.7652, 98.3736, 105.7200**.

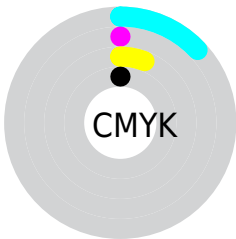
Distribution



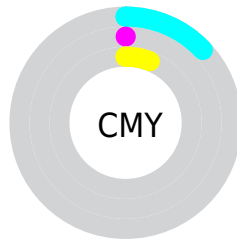
- Red (87%)
- Green (100%)
- Blue (94%)



- Red (87%)
- Yellow (96%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4642, 93.2816, 95.3729 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 81.4642, 93.2816, 95.3729 by changing the saturation by 10% instead.


 81.4642, 93.2816,
95.3729

 81.4642, 93.2816,
95.3729


488.5154,
538.6490, 566.3729

 61.2366, 70.7056,
71.8468


134.3621,
151.8884, 156.7797

 44.6694, 52.1020,
52.5474


167.7631,
188.6880, 195.4974

 31.3973, 37.0864,
37.0564


206.2860,
230.9976, 240.1161

 21.0549, 25.2744,
24.9550

250.2961,
279.2015, 291.0543

 13.2768, 16.2816,
15.8248

300.1587,
333.6842, 348.7306

 7.6977, 9.7236,
9.2473

356.2392,

 3.9523, 5.2161,

394.8301, 413.5634

4.8038

418.9030,
463.0236, 485.9713

■ 1.6752, 2.3746,
2.0759

■ 0.4407, 0.8128,
0.6014

■ 81.4642, 93.2816,
95.3729

■ 81.4642, 93.2816,
95.3729

■ 72.4711, 88.8493,
85.7421

■ 91.7652, 98.3736,
105.7200

■ 64.7279, 85.0473,
76.8076

95.0500, 100.0000,
108.9000

■ 58.1761, 81.8456,
68.5548

■ 52.7512, 79.2113,
60.9669

■ 48.3822, 77.1081,
54.0263

■ 44.9899, 75.4955,
47.7145

■ 42.4828, 74.3267,
42.0118

■ 40.7504, 73.5450,
36.8970

■ 39.8819, 73.1688,
33.6258

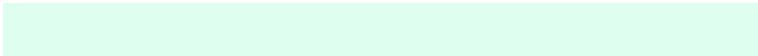
Harmonies

Analogous

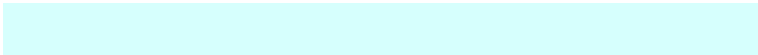
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4612, 93.2816, 86.3250



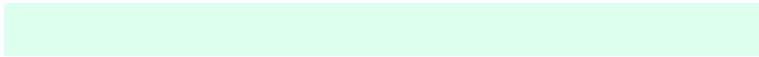
81.4642, 93.2816, 95.3729



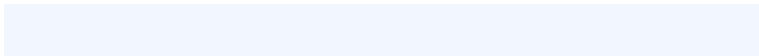
81.3577, 93.2816, 106.7747

Triad

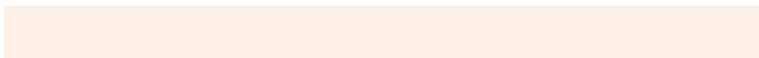
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.4642, 93.2816, 95.3729



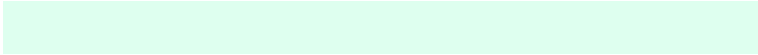
90.4613, 93.2816, 124.6427



94.3940, 93.2816, 87.1188

Complementary

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



81.4642, 93.2816, 95.3729



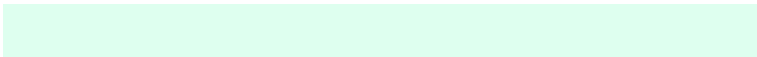
82.7944, 79.6766, 91.9043

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.



96.3896, 93.2816, 96.5330



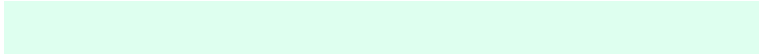
81.4642, 93.2816, 95.3729



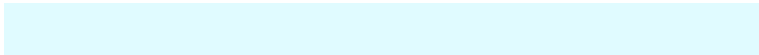
94.0732, 93.2816, 118.5070

Square

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



81.4642, 93.2816, 95.3729



86.4710, 93.2816, 124.2730



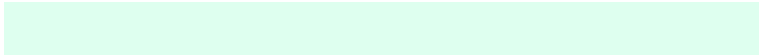
96.2704, 93.2816, 108.0253



90.8884, 93.2816, 81.8117

Rectangle

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



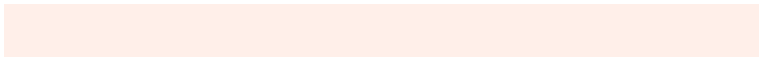
81.4642, 93.2816, 95.3729



82.3672, 93.2816, 114.2321



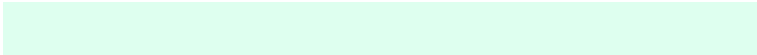
96.2704, 93.2816, 108.0253



95.2683, 93.2816, 89.8759

Sweetspot

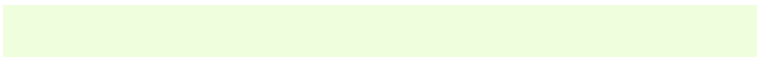
The Sweet Spot groups the original color and five complimentary colors.



81.4650, 93.2820, 95.3744



90.6104, 97.8021, 104.5896



84.3734, 95.0580, 83.0097



19.2208, 20.8478, 22.2158



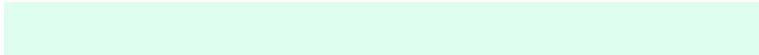
0.0000, 0.0000, 0.0000



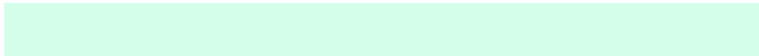
20.3446, 21.4041, 23.3091

Same Dimension

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



81.4650, 93.2820, 95.3744



78.5771, 91.8571, 92.3523



83.9348, 94.2699, 108.3798



18.1623, 20.3244, 21.1575



20.9150, 38.2626, 17.9696



2.0916, 3.7476, 2.0404

Inverse Universe

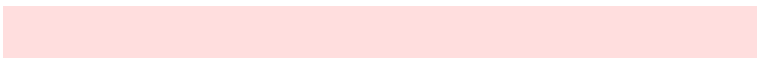
The Inverse Universe completely reimagines the original color for something new.



82.7944, 79.6766, 91.9043



80.1857, 75.3938, 88.1535



80.5469, 78.7776, 80.0689



18.3763, 18.1338, 20.5988



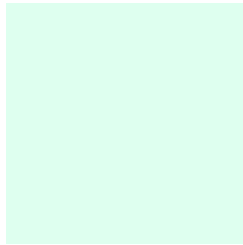
23.5123, 11.8942, 11.3480



2.3442, 1.1801, 1.3941

Previews

White Background



This preview shows how the XYZ color 81.4642, 93.2816, 95.3729 looks on a white background.

Color Contrast Check

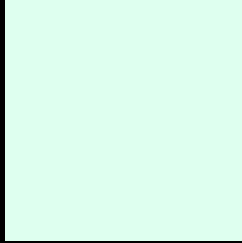
Large Text (above 18pt) WCAG AA × Fail

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 81.4642, 93.2816, 95.3729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

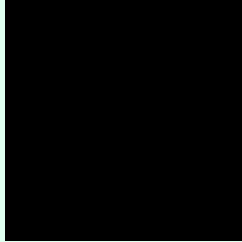
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

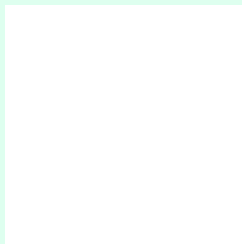
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.4642, 93.2816, 95.3729

Background



This preview shows how black text looks on a background with the XYZ color 81.4642, 93.2816, 95.3729.



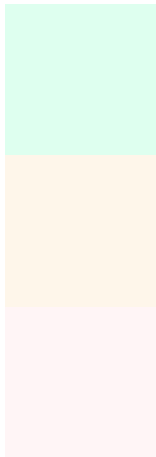
This preview shows how white text looks on a background with the XYZ color 81.4642, 93.2816,

95.3729.

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

81.4642, 93.2816, 95.3729

Protanopia

88.6801, 92.9229, 91.1039

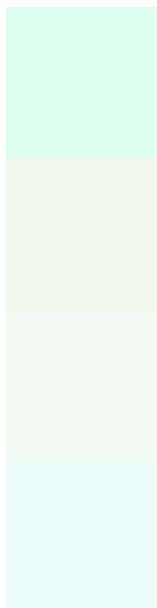
Deuteranopia

90.5270, 93.2186, 100.4105

Tritanopia

87.8930, 93.0556, 107.9368

Trichromacy



Original Color

81.4642, 93.2816, 95.3729

Protanomaly

85.6340, 92.6847, 92.7334

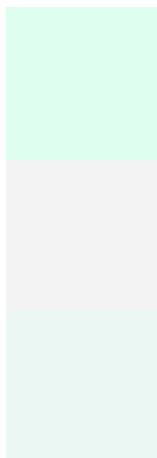
Deuteranomaly

87.0155, 93.2771, 98.2121

Tritanomaly

85.5277, 93.3263, 103.1285

Monochromacy



Original Color

81.4642, 93.2816, 95.3729

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.5487, 90.5945, 97.0874

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.4642, 93.2816, 95.3729 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(222, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 239)  
}
```

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(222, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 239) }
```

Border

The CSS property to change the border of an element to XYZ 81.4642, 93.2816, 95.3729 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(222, 255, 239) }
```


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

```
.border{ border-color:rgb(222, 255, 239) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 81.4642, 93.2816, 95.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 239) }
```

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

```
.background{ background-color: rgb(222,  
255, 239) }
```

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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