

# Converting Colors

XYZ(82.9306, 93.9364, 99.6605)

Have a look what the booklet for  
XYZ(82.9306, 93.9364, 99.6605)  
contains.

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# Color

**XYZ(82.8296, 93.8989,  
99.3467)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E0FFF4                      |
| RGB         | 224, 255, 244               |
| RGB Percent | 88%, 100%, 96%              |
| CMY         | 0.1216, 0.0000, 0.0431      |
| CMYK        | 0.12, 0.00, 0.04, 0.00      |
| HSL         | 159°, 100%, 94%             |
| HSV         | 159°, 12%, 100%             |
| XYZ         | 82.8296, 93.8989, 99.3467   |
| YIQ         | 244.4770, -14.9450, -9.9930 |

# Conversions

## Conversions Part 2

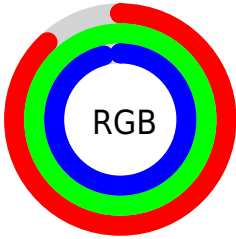
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 224, 243, 255                  |
| Decimal                             | 14745588                       |
| CIE <sub>Lab</sub>                  | 97.59, -12.03, 1.87            |
| CIE <sub>LCh</sub>                  | 98, 12.174, 171.188            |
| Yxy                                 | 93.8989, 0.3000,<br>0.3401     |
| Android<br>(android.graphics.Color) | 4292935668<br>(0xFFE0FFF4)     |
| YUV                                 | 244.4770, -0.2352,<br>-17.9583 |
| Hunter-Lab                          | 96.9014, -16.9990,<br>7.0449   |

# Details

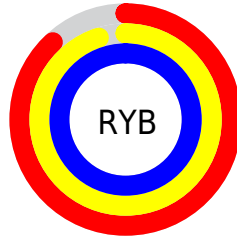
The XYZ color **82.8296, 93.8989, 99.3467** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.8916, 80.5706, 89.7802**, and the grayscale version is **86.3811, 90.8797, 98.9680**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6334, 52.4540, 55.2965** is the 20% darker color. If you saturate the color by 10%, you get **74.1701, 89.5896, 91.9461**, and if you desaturate by 10%, it is **92.7436, 98.8471, 107.1610**.

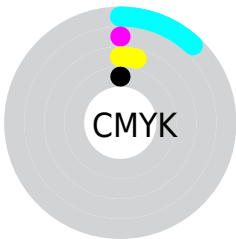
# Distribution



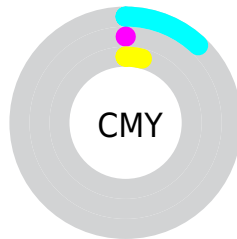
- Red (88%)
- Green (100%)
- Blue (96%)



- Red (88%)
- Yellow (95%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8296, 93.8989, 99.3467 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 82.8296, 93.8989, 99.3467 by changing the saturation by 10% instead.



82.8296, 93.8989,  
99.3467

82.8296, 93.8989,  
99.3467

493.0110,  
540.6339, 579.3249

62.3660, 71.2189,  
75.1412

136.2665,  
152.7425, 162.3031

45.5852, 52.5208,  
55.2262

169.9706,  
189.6749, 201.8912

32.1219, 37.4204,  
39.1830

208.8189,  
232.1268, 247.4438

21.6106, 25.5331,  
26.5932

253.1768,  
280.4827, 299.3796

13.6861, 16.4747,  
17.0382

303.4095,  
335.1270, 358.1170

7.9829, 9.8607,  
10.0995

359.8826,

4.1357, 5.3067,

396.4440, 424.0747

5.3585

422.9613,  
464.8182, 497.6711

■ 1.7792, 2.4283,  
2.3967

■ 0.5051, 0.8404,  
0.7847

■ 82.8296, 93.8989,  
99.3467

■ 82.8296, 93.8989,  
99.3467

■ 74.1701, 89.5896,  
91.9461

■ 92.7436, 98.8471,  
107.1610

■ 66.7087, 85.8904,  
84.9472

95.0500, 100.0000,  
108.9000

■ 60.3890, 82.7720,  
78.3437

■ 55.1484, 80.2025,  
72.1274

■ 50.9184, 78.1467,  
66.2898

■ 47.6221, 76.5650,  
60.8219

■ 45.1710, 75.4120,  
55.7139

■ 43.4587, 74.6328,  
50.9549

■ 42.5084, 74.2194,  
47.4567

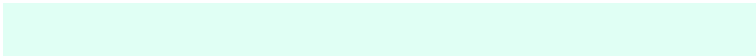
# Harmonies

## Analogous

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



84.1605, 93.8989, 90.7492



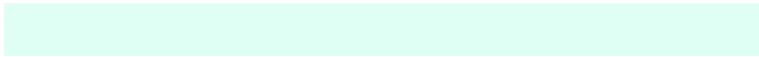
82.8296, 93.8989, 99.3467



83.1835, 93.8989, 109.2869

# Triad

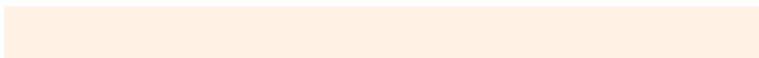
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8296, 93.8989, 99.3467



91.6759, 93.8989, 121.0677



93.4861, 93.8989, 88.0914

# Complementary

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



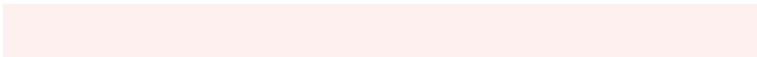
82.8296, 93.8989, 99.3467



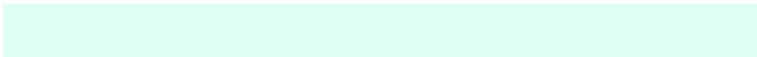
82.8916, 80.5706, 89.7802

# 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.



95.6005, 93.8989, 95.5026



82.8296, 93.8989, 99.3467



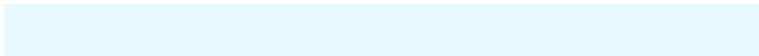
94.5367, 93.8989, 114.6618

# Square

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



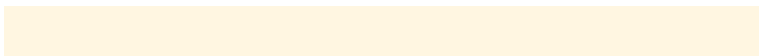
82.8296, 93.8989, 99.3467



88.2320, 93.8989, 122.2622



95.9899, 93.8989, 105.1888

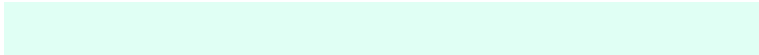


90.2719, 93.8989, 84.5324



# Rectangle

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



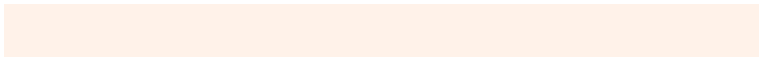
82.8296, 93.8989, 99.3467



84.3312, 93.8989, 115.3166



95.9899, 93.8989, 105.1888



94.3525, 93.8989, 90.1912

# Sweetspot

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



82.8305, 93.8994, 99.3482



90.8192, 97.8856, 105.6891



83.5974, 94.6268, 84.3812



19.2737, 20.8690, 22.4942



0.0000, 0.0000, 0.0000

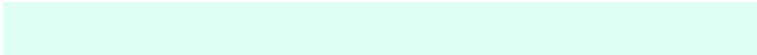


20.3446, 21.4041, 23.3091

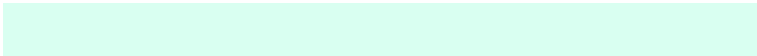


# Same Dimension

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



82.8305, 93.8994, 99.3482



80.2423, 92.6100, 97.2016



83.2467, 91.9789, 107.9739



18.2652, 20.3656, 21.6994



22.2853, 38.8107, 25.1852



2.2219, 3.7997, 2.7262



# Inverse Universe

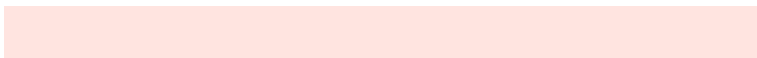
The Inverse Universe completely reimagines the original color for something new.



82.8916, 80.5706, 89.7802



80.3165, 76.4882, 85.6301



82.4754, 82.2031, 82.0423



18.2756, 18.0935, 20.0683



22.5878, 11.5244, 6.4797



2.2490, 1.1420, 0.8926



# Previews

## White Background



This preview shows how the XYZ color 82.8296, 93.8989, 99.3467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

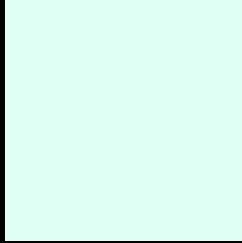
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8296, 93.8989, 99.3467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

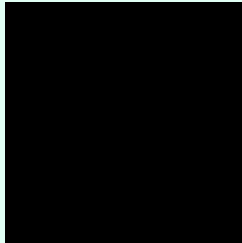
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

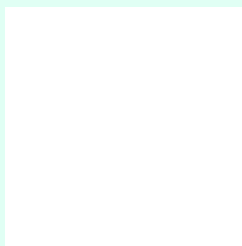
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.8296, 93.8989, 99.3467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.8296, 93.8989, 99.3467.



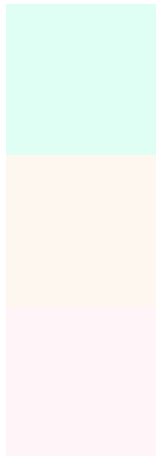
This preview shows how white text looks on a background with the XYZ color 82.8296, 93.8989,

99.3467.

# 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

82.8296, 93.8989, 99.3467

### Protanopia

89.7138, 93.8244, 95.0428

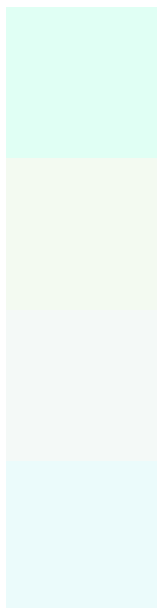
### Deuteranopia

90.8357, 93.3421, 102.0362

## **Tritanopia**

88.5436, 93.8486, 108.0556

# Trichromacy



## Original Color

82.8296, 93.8989, 99.3467

## Protanomaly

87.0249, 93.7768, 96.7331

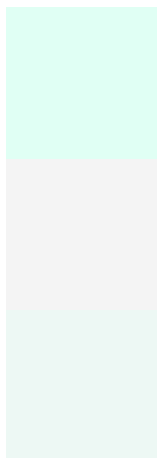
## Deuteranomaly

87.9724, 93.6999, 101.4449

## Tritanomaly

86.1707, 93.6216, 104.7959

# Monochromacy



## Original Color

82.8296, 93.8989, 99.3467

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.8216, 91.6710, 98.8116

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8296, 93.8989, 99.3467 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(224, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 244)  
}
```

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(224, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8296, 93.8989, 99.3467 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(224, 255, 244) }
```



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

```
.border{ border-color:rgb(224, 255, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8296, 93.8989, 99.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 244) }
```

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

```
.background{ background-color: rgb(224,  
255, 244) }
```

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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