

# Converting Colors

XYZ(82.2756, 93.6917, 95.7812)

Have a look what the booklet for  
XYZ(82.2756, 93.6917, 95.7812)  
contains.

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# **Color**

**XYZ(82.0805, 93.5993,  
95.4017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0FFE0
RGB	224, 255, 239
RGB Percent	88%, 100%, 94%
CMY	0.1216, 0.0000, 0.0627
CMYK	0.12, 0.00, 0.06, 0.00
HSL	149°, 100%, 94%
HSV	149°, 12%, 100%
XYZ	82.0805, 93.5993, 95.4017
YIQ	243.9070, -13.3400, -11.5480

# Conversions

## Conversions Part 2

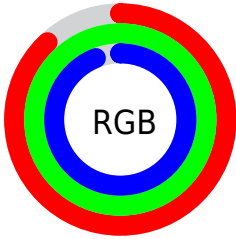
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 245, 255
Decimal	14745583
CIE <sub>Lab</sub>	97.47, -12.95, 4.26
CIE <sub>LCh</sub>	97, 13.636, 161.799
Yxy	93.5993, 0.3028, 0.3453
Android (android.graphics.Color)	4292935663 (0xFFE0FFE0)
YUV	243.9070, -2.4192, -17.4584
Hunter-Lab	96.7467, -17.8663, 9.2570

# Details

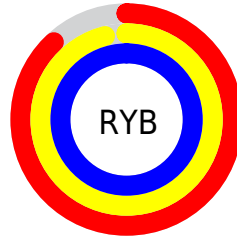
The XYZ color **82.0805, 93.5993, 95.4017** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.6244, 80.8637, 93.6390**, and the grayscale version is **85.9407, 90.4163, 98.4634**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1035, 52.2421, 52.5063** is the 20% darker color. If you saturate the color by 10%, you get **72.8869, 89.0764, 85.1892**, and if you desaturate by 10%, it is **92.6026, 98.7907, 106.4183**.

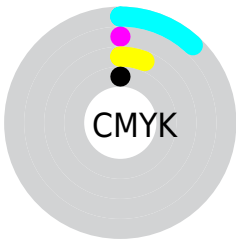
# Distribution



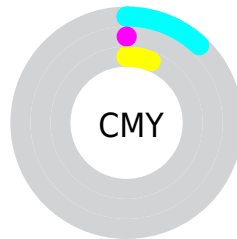
- Red (88%)
- Green (100%)
- Blue (94%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0805, 93.5993, 95.4017 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 82.0805, 93.5993, 95.4017 by changing the saturation by 10% instead.



 82.0805, 93.5993,  
95.4017

 82.0805, 93.5993,  
95.4017


490.5473,  
539.6710, 566.4673

 61.7462, 70.9697,  
71.8706


135.2221,  
152.3281, 156.8198

 45.0825, 52.3175,  
52.5668

168.7602,  
189.1960, 195.5439

 31.7240, 37.2582,  
37.0717


207.4302,  
231.5789, 240.1694

 21.3053, 25.4075,  
24.9668

251.5976,  
279.8611, 291.1149

 13.4611, 16.3809,  
15.8335

301.6276,  
334.4270, 348.7989

 7.8260, 9.7941,  
9.2533

357.8857,

 4.0347, 5.2626,

395.6611, 413.6400

4.8077

420.7371,  
463.9476, 486.0566

■ 1.7218, 2.4022,  
2.0781

■ 0.4698, 0.8270,  
0.6027

■ 82.0805, 93.5993,  
95.4017

■ 82.0805, 93.5993,  
95.4017

■ 72.8869, 89.0764,  
85.1892

■ 92.6026, 98.7907,  
106.4183

■ 64.9637, 85.1924,  
75.7582

95.0500, 100.0000,  
108.9000

■ 58.2521, 81.9173,  
67.0913

■ 52.6875, 79.2182,  
59.1686

■ 48.1989, 77.0589,  
51.9695

■ 44.7072, 75.3991,  
45.4723

■ 42.1212, 74.1921,  
39.6538

■ 40.3319, 73.3821,  
34.4893

■ 39.3598, 72.9599,  
30.8765

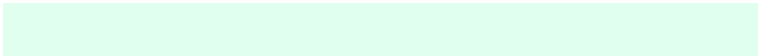
# Harmonies

## Analogous

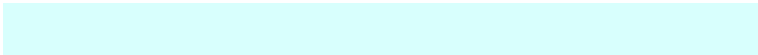
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0955, 93.5993, 86.8390



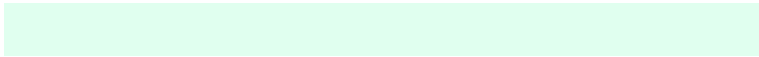
82.0805, 93.5993, 95.4017



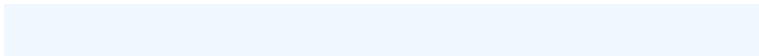
81.8769, 93.5993, 106.3336

# Triad

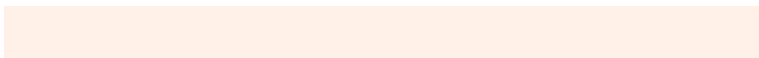
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0805, 93.5993, 95.4017



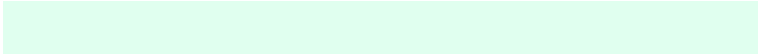
90.4935, 93.5993, 124.2283



94.6263, 93.5993, 88.3601

# Complementary

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



82.0805, 93.5993, 95.4017



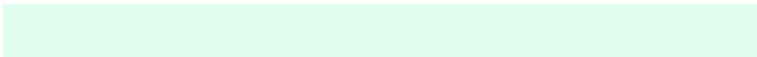
83.6244, 80.8637, 93.6390

# 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.



96.4473, 93.5993, 97.6180



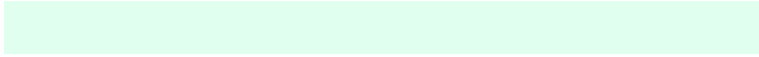
82.0805, 93.5993, 95.4017



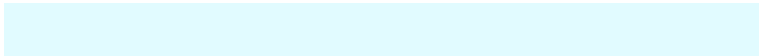
94.0154, 93.5993, 118.6392

# Square

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



82.0805, 93.5993, 95.4017



86.6595, 93.5993, 123.5269



96.2206, 93.5993, 108.7155



91.3077, 93.5993, 82.9812



# Rectangle

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



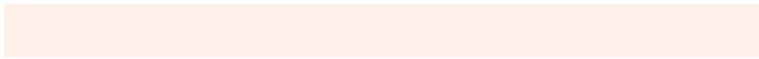
82.0805, 93.5993, 95.4017



82.7882, 93.5993, 113.5601



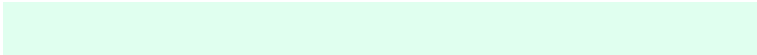
96.2206, 93.5993, 108.7155



95.4381, 93.5993, 91.0921

# Sweetspot

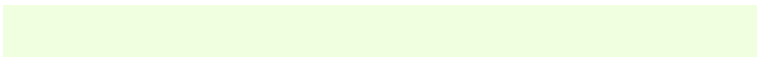
The Sweet Spot groups the original color and five complimentary colors.



82.0814, 93.5997, 95.4032



90.5603, 97.7821, 104.3262



85.1560, 95.4303, 84.4541



19.2082, 20.8428, 22.1491



0.0000, 0.0000, 0.0000

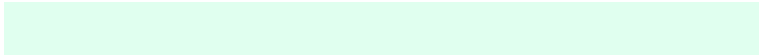


20.3446, 21.4041, 23.3091

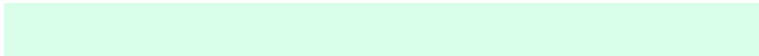


# Same Dimension

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



82.0814, 93.5997, 95.4032



79.3339, 92.2466, 92.4177



84.4680, 94.5544, 107.9712



18.1378, 20.3146, 21.0285



20.6411, 38.1530, 16.5270



2.0647, 3.7368, 1.8983



# Inverse Universe

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



83.6244, 80.8637, 93.6390



81.2002, 76.8416, 90.2836



81.4212, 79.9824, 82.0372



18.4008, 18.1436, 20.7278



23.7868, 12.0040, 12.7938



2.3713, 1.1909, 1.5365



# Previews

## White Background



This preview shows how the XYZ color 82.0805, 93.5993, 95.4017 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

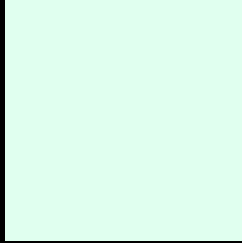
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.0805, 93.5993, 95.4017 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

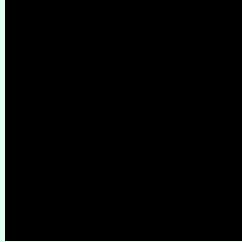
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

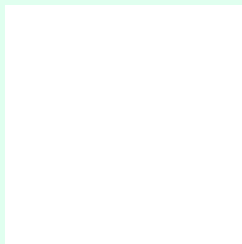
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.0805, 93.5993, 95.4017

## Background



This preview shows how black text looks on a background with the XYZ color 82.0805, 93.5993, 95.4017.



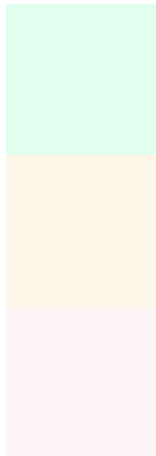
This preview shows how white text looks on a background with the XYZ color 82.0805, 93.5993,

95.4017.

# 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

82.0805, 93.5993, 95.4017

### Protanopia

89.0471, 93.1120, 91.1210

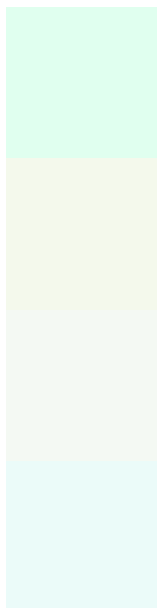
### Deuteranopia

90.5270, 93.2186, 100.4105

## **Tritanopia**

88.2354, 93.2320, 107.9528

# Trichromacy



## Original Color

82.0805, 93.5993, 95.4017

## Protanomaly

86.3242, 93.0406, 92.7657

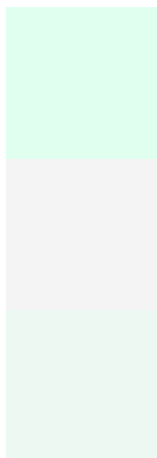
## Deuteranomaly

87.3616, 93.4555, 98.2283

## Tritanomaly

85.8570, 93.4961, 103.1439

# Monochromacy



## Original Color

82.0805, 93.5993, 95.4017

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.5195, 91.5501, 97.2207

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0805, 93.5993, 95.4017 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0805, 93.5993, 95.4017 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, 239) }
```



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

```
.border{ border-color:rgb(224, 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(224, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.0805, 93.5993, 95.4017 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, 239) }
```

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

```
.background{ background-color: rgb(224,  
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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