

# Converting Colors

XYZ(82.8354, 93.0042, 99.6558)

Have a look what the booklet for  
XYZ(82.8354, 93.0042, 99.6558)  
contains.

<b>XYZ(82.9707, 93.0119, 99.9663)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(82.9707, 93.0119,  
99.9663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2FDF5
RGB	226, 253, 245
RGB Percent	89%, 99%, 96%
CMY	0.1137, 0.0078, 0.0392
CMYK	0.11, 0.00, 0.03, 0.01
HSL	162°, 87%, 94%
HSV	162°, 11%, 99%
XYZ	82.9707, 93.0119, 99.9663
YIQ	244.0150, -13.5240, -8.2120

# Conversions

## Conversions Part 2

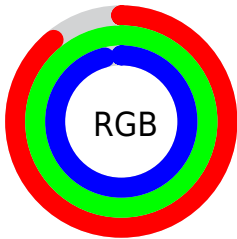
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 242, 253
Decimal	14876149
CIE Lab	97.23, -10.21, 0.84
CIE LCh	97, 10.248, 175.276
Yxy	93.0119, 0.3007, 0.3371
Android (android.graphics.Color)	4293066229 (0xFFE2FDF5)
YUV	244.0150, 0.4856, -15.7992
Hunter-Lab	96.4427, -15.2092, 6.0537

# Details

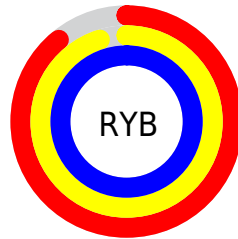
The XYZ color **82.9707, 93.0119, 99.9663** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.5590, 81.2182, 89.1714**, and the grayscale version is **86.0073, 90.4863, 98.5396**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7198, 51.8119, 55.7351** is the 20% darker color. If you saturate the color by 10%, you get **74.4938, 88.7741, 93.7154**, and if you desaturate by 10%, it is **92.6699, 97.8796, 106.5205**.

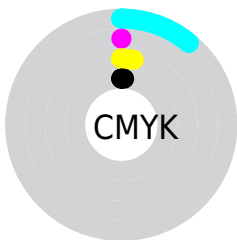
# Distribution



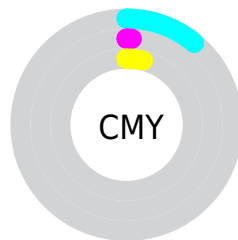
- Red (89%)
- Green (99%)
- Blue (96%)



- Red (89%)
- Yellow (95%)
- Blue (99%)



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (1%)




- Cyan (11%)
- Magenta (1%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9707, 93.0119, 99.9663 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 82.9707, 93.0119, 99.9663 by changing the saturation by 10% instead.




 82.9707, 93.0119,  
99.9663

 82.9707, 93.0119,  
99.9663


493.4743,  
537.7805, 581.3304

 62.4828, 70.4814,  
75.6557


136.4632,  
151.5151, 163.1623

 45.6800, 51.9191,  
55.6452


170.1984,  
188.2566, 202.8848

 32.1969, 36.9406,  
39.5165


209.0802,  
230.5038, 248.5817

 21.6682, 25.1615,  
26.8508

253.4739,  
278.6412, 300.6715

 13.7286, 16.1974,  
17.2298

303.7448,  
333.0532, 359.5727

 8.0126, 9.6640,  
10.2348

360.2582,

 4.1549, 5.1767,

394.1242, 425.7039

5.4473

423.3796,  
462.2385, 499.4836

■ 1.7901, 2.3513,  
2.4487

■ 0.5117, 0.8007,  
0.8128

■ 82.9707, 93.0119,  
99.9663

■ 82.9707, 93.0119,  
99.9663

■ 74.4938, 88.7741,  
93.7154

■ 92.6699, 97.8796,  
106.5205

■ 67.1798, 85.1279,  
87.7564

■ 94.4171, 98.7341,  
108.6890

■ 60.9758, 82.0487,  
82.0859

■ 55.8218, 79.5056,  
76.6981

■ 51.6519, 77.4648,  
71.5870

■ 48.3927, 75.8884,  
66.7460

■ 45.9597, 74.7329,  
62.1682

■ 44.2523, 73.9466,  
57.8455

■ 43.1646, 73.4691,  
54.0341

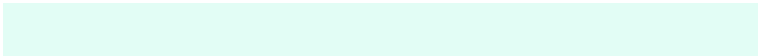
# Harmonies

## Analogous

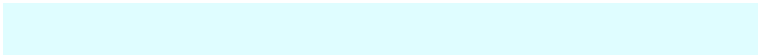
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9067, 93.0119, 92.4587



82.9707, 93.0119, 99.9663



83.4646, 93.0119, 108.2372

# Triad

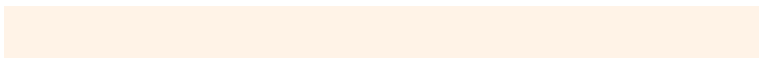
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.9707, 93.0119, 99.9663



90.8040, 93.0119, 116.3906



91.6151, 93.0119, 88.7239

# Complementary

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



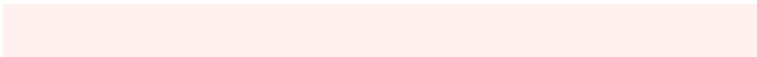
82.9707, 93.0119, 99.9663



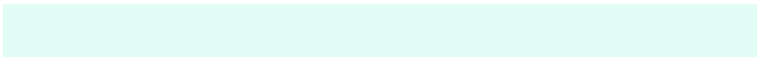
82.5590, 81.2182, 89.1714

# 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.



93.5367, 93.0119, 94.6163



82.9707, 93.0119, 99.9663



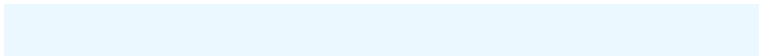
93.0613, 93.0119, 110.6329

# Square

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



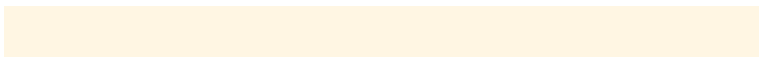
82.9707, 93.0119, 99.9663



87.9472, 93.0119, 118.0138



94.0716, 93.0119, 102.5934



88.8645, 93.0119, 86.1973

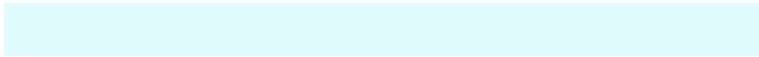


# Rectangle

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



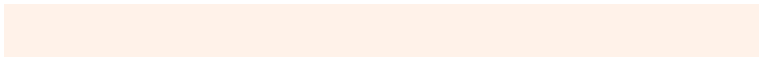
82.9707, 93.0119, 99.9663



84.5441, 93.0119, 113.0330



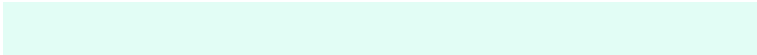
94.0716, 93.0119, 102.5934



92.3818, 93.0119, 90.3605

# Sweetspot

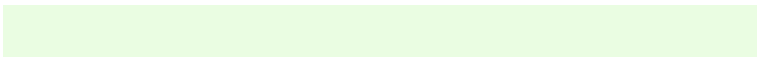
The Sweet Spot groups the original color and five complimentary colors.



82.9733, 93.0158, 99.9684



91.9284, 98.4327, 106.8596



82.8202, 93.2550, 85.5877



19.5021, 20.9811, 22.7566



0.0000, 0.0000, 0.0000

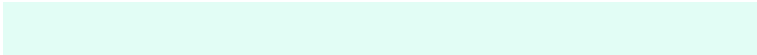


20.3446, 21.4041, 23.3091

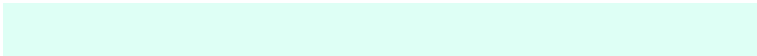


# Same Dimension

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



82.9733, 93.0158, 99.9684



82.3464, 93.6292, 100.2581



82.5411, 90.1533, 105.9841



18.3120, 20.3843, 21.9458



23.0280, 39.1078, 29.0962



2.2902, 3.8270, 3.0860



# Inverse Universe

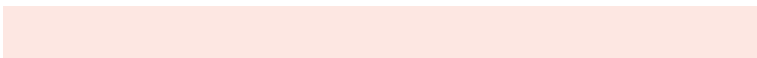
The Inverse Universe completely reimagines the original color for something new.



82.5590, 81.2182, 89.1714



81.8409, 79.2307, 87.0820



82.9265, 83.7522, 83.7478



18.2309, 18.0757, 19.8329



22.2795, 11.4011, 4.8562

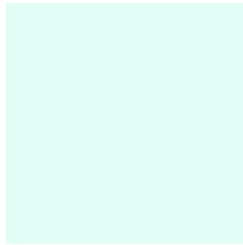


2.2148, 1.1283, 0.7125



# Previews

## White Background



This preview shows how the XYZ color 82.9707, 93.0119, 99.9663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

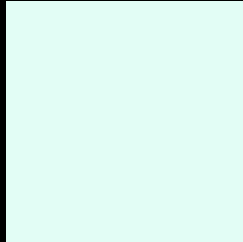
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.9707, 93.0119, 99.9663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

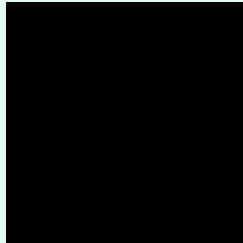
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

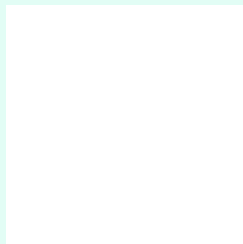
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.9707, 93.0119, 99.9663**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.9707, 93.0119, 99.9663.



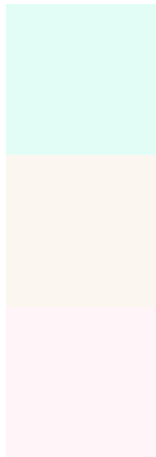
This preview shows how white text looks on a background with the XYZ color 82.9707, 93.0119,

99.9663.

# 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

82.9707, 93.0119, 99.9663

### Protanopia

88.9778, 92.9579, 96.4721

### Deuteranopia

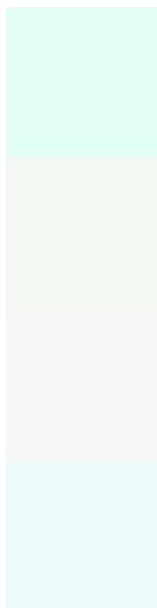
90.3792, 92.6768, 101.1206



## Tritanopia

87.8930, 93.0556, 107.9368

# Trichromacy



## Original Color

82.9707, 93.0119, 99.9663

## Protanomaly

86.8648, 93.2169, 97.4188

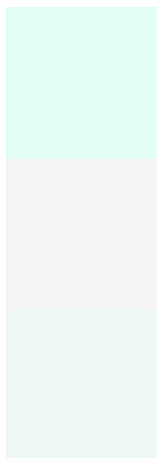
## Deuteranomaly

87.2035, 92.4084, 100.4293

## Tritanomaly

86.1903, 93.1691, 104.7075

# Monochromacy



## Original Color

82.9707, 93.0119, 99.9663

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.5150, 91.0577, 98.7094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.9707, 93.0119, 99.9663 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(226, 253, 245)` looks like.

```
.text, #text, p{  
    color:rgb(226, 253, 245)  
}
```

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(226, 253, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 253, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 82.9707, 93.0119, 99.9663 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(226, 253, 245) }
```



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

```
.border{ border-color:rgb(226, 253, 245) }
```

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

Here you see how a box with a 4 pixel rgb(226, 253, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 253, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 253, 245);  
box-shadow:4px 4px 4px 4px rgb(226, 253,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.9707, 93.0119, 99.9663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 253, 245) }
```

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

```
.background{ background-color: rgb(226,  
253, 245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor