

# Converting Colors

XYZ(86.5806, 100.0000,  
100.7175)

Have a look what the booklet for  
XYZ(86.5806, 100.0000, 100.7175)  
contains.

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# **Color**

**XYZ(83.7677, 94.3825,  
99.3906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFF4
RGB	227, 255, 244
RGB Percent	89%, 100%, 96%
CMY	0.1098, 0.0000, 0.0431
CMYK	0.11, 0.00, 0.04, 0.00
HSL	156°, 100%, 95%
HSV	156°, 11%, 100%
XYZ	83.7677, 94.3825, 99.3906
YIQ	245.3740, -13.1570, -9.3570

# Conversions

## Conversions Part 2

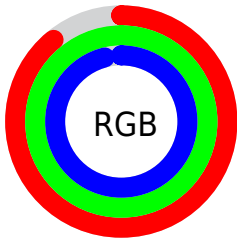
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 244, 255
Decimal	14942196
CIE Lab	97.79, -11.07, 2.17
CIE LCh	98, 11.284, 168.902
Yxy	94.3825, 0.3018, 0.3401
Android (android.graphics.Color)	4293132276 (0xFFE3FFF4)
YUV	245.3740, -0.6774, -16.1140
Hunter-Lab	97.1507, -16.1029, 7.3484

# Details

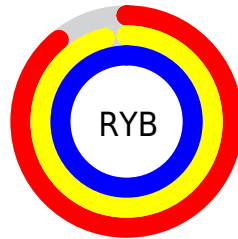
The XYZ color **83.7677, 94.3825, 99.3906** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84.1423, 82.3723, 92.3537**, and the grayscale version is **87.1046, 91.6409, 99.7969**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0658, 52.6769, 55.3167** is the 20% darker color. If you saturate the color by 10%, you get **74.8317, 89.9469, 91.2480**, and if you desaturate by 10%, it is **93.9793, 99.4663, 108.0273**.

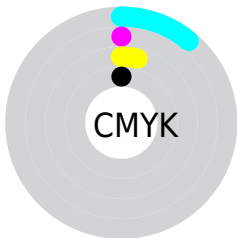
# Distribution



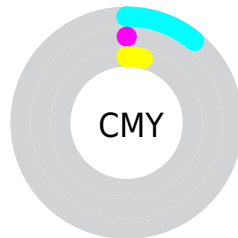
- Red (89%)
- Green (100%)
- Blue (96%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7677, 94.3825, 99.3906 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 83.7677, 94.3825, 99.3906 by changing the saturation by 10% instead.




 83.7677, 94.3825,  
99.3906

 83.7677, 94.3825,  
99.3906


496.0868,  
542.1862, 579.4671

 63.1427, 71.6211,  
75.1777


137.5731,  
153.4112, 162.3640

 46.2158, 52.8492,  
55.2558


171.4843,  
190.4474, 201.9616

 32.6215, 37.6824,  
39.2066


210.5549,  
233.0106, 247.5245

 21.9945, 25.7363,  
26.6114

255.1502,  
281.4852, 299.4712

 13.9694, 16.6265,  
17.0518

305.6358,  
336.2557, 358.2203

 8.1810, 9.9685,  
10.1090

362.3768,

 4.2637, 5.3781,

397.7065, 424.1902

5.3648

425.7387,  
466.2218, 497.7997

■ 1.8524, 2.4708,  
2.4004

■ 0.5489, 0.8619,  
0.7867

■ 83.7677, 94.3825,  
99.3906

■ 83.7677, 94.3825,  
99.3906

■ 74.8317, 89.9469,  
91.2480

93.9793, 99.4663,  
108.0273

■ 67.1152, 86.1304,  
83.5858

95.0500, 100.0000,  
108.9000

■ 60.5616, 82.9043,  
76.3959

■ 55.1090, 80.2366,  
69.6681

■ 50.6890, 78.0923,  
63.3921

■ 47.2255, 76.4325,  
57.5567

■ 44.6314, 75.2121,  
52.1501

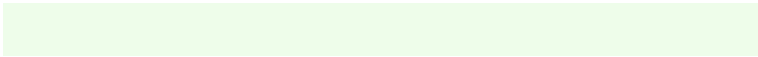
■ 42.8022, 74.3777,  
47.1594

■ 41.6622, 73.8809,  
43.0007

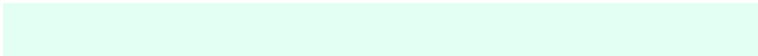
# Harmonies

## Analogous

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



85.1220, 94.3825, 91.5446



83.7677, 94.3825, 99.3906



83.9762, 94.3825, 108.6189

# Triad

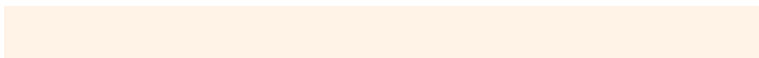
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7677, 94.3825, 99.3906



91.7286, 94.3825, 120.4732



93.8399, 94.3825, 89.9738

# Complementary

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



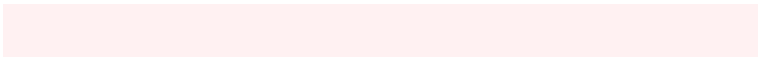
83.7677, 94.3825, 99.3906



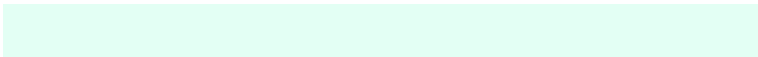
84.1423, 82.3723, 92.3537

# 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.



95.6943, 94.3825, 97.1282



83.7677, 94.3825, 99.3906



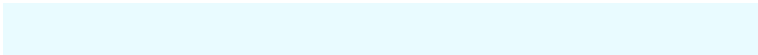
94.4553, 94.3825, 114.8699

# Square

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



83.7677, 94.3825, 99.3906



88.5211, 94.3825, 121.1690



95.9221, 94.3825, 106.2180

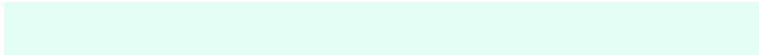


90.9049, 94.3825, 86.3285



# Rectangle

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



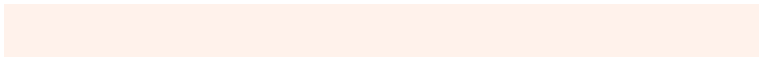
83.7677, 94.3825, 99.3906



84.9747, 94.3825, 114.3099



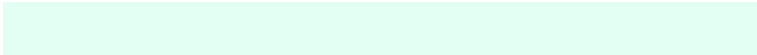
95.9221, 94.3825, 106.2180



94.6133, 94.3825, 92.0276

# Sweetspot

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



83.7686, 94.3830, 99.3921



91.8112, 98.3858, 106.2426



84.9529, 95.2782, 86.5876



19.4704, 20.9685, 22.5899



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

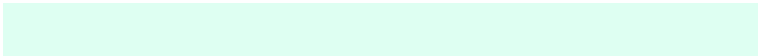


# Same Dimension

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



83.7686, 94.3830, 99.3921



81.8620, 93.4354, 97.7074



84.6025, 93.2978, 108.1570



18.2349, 20.3535, 21.5400



21.8449, 38.6346, 22.8665



2.1807, 3.7832, 2.5095



# Inverse Universe

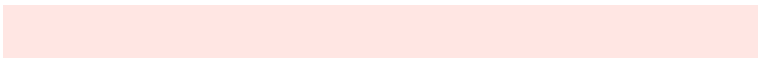
The Inverse Universe completely reimagines the original color for something new.



84.1423, 82.3723, 92.3537



82.2983, 79.4137, 89.4911



83.3471, 83.2896, 84.3581



18.3048, 18.1052, 20.2224



22.8231, 11.6185, 7.7190



2.2741, 1.1520, 1.0246



# Previews

## White Background



This preview shows how the XYZ color 83.7677, 94.3825, 99.3906 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 83.7677, 94.3825, 99.3906 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

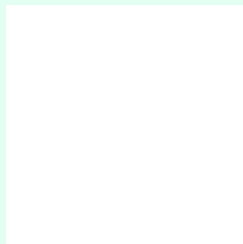
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.7677, 94.3825, 99.3906**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.7677, 94.3825, 99.3906.



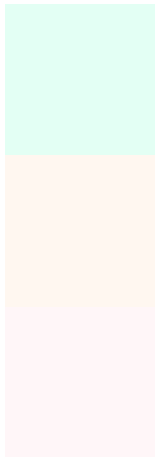
This preview shows how white text looks on a background with the XYZ color 83.7677, 94.3825,

99.3906.

# 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

83.7677, 94.3825, 99.3906

### Protanopia

90.2289, 94.0728, 95.8404

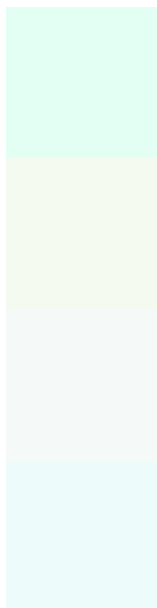
### Deuteranopia

91.1390, 93.9488, 102.1373

## **Tritanopia**

89.2339, 94.2045, 108.0879

# Trichromacy



## Original Color

83.7677, 94.3825, 99.3906

## Protanomaly

87.7190, 94.1346, 96.7656

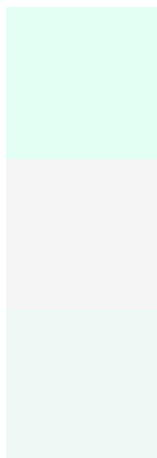
## Deuteranomaly

88.3204, 93.8792, 101.4612

## Tritanomaly

87.1697, 94.1365, 104.8426

# Monochromacy



## Original Color

83.7677, 94.3825, 99.3906

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.6170, 92.5211, 99.7321

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.7677, 94.3825, 99.3906 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(227, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(227, 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(227, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 83.7677, 94.3825, 99.3906 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(227, 255, 244) }
```



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

```
.border{ border-color:rgb(227, 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(227, 255, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.7677, 94.3825, 99.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 255, 244) }
```

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

```
.background{ background-color: rgb(227,  
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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