

# Converting Colors

XYZ(84.8538, 94.8535,  
103.4588)

Have a look what the booklet for  
XYZ(84.8538, 94.8535, 103.4588)  
contains.

<b>XYZ(84.8538, 94.8535, 103.4588)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# **Color**

**XYZ(84.8538, 94.8535,  
103.4588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FFF9
RGB	228, 255, 249
RGB Percent	89%, 100%, 98%
CMY	0.1059, 0.0000, 0.0235
CMYK	0.11, 0.00, 0.02, 0.00
HSL	167°, 100%, 95%
HSV	167°, 11%, 100%
XYZ	84.8538, 94.8535, 103.4588
YIQ	246.2430, -14.1660, -7.5900

# Conversions

## Conversions Part 2

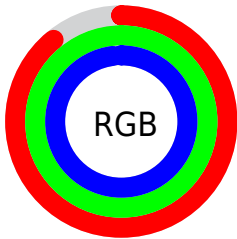
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 243, 255
Decimal	15007737
CIE Lab	97.97, -9.82, -0.11
CIE LCh	98, 9.826, 180.663
Yxy	94.8535, 0.2997, 0.3350
Android (android.graphics.Color)	4293197817 (0xFFE4FFF9)
YUV	246.2430, 1.3592, -15.9991
Hunter-Lab	97.3928, -14.9186, 5.1921

# Details

The XYZ color **84.8538, 94.8535, 103.4588** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.8353, 82.6885, 89.3841**, and the grayscale version is **87.7912, 92.3632, 100.5835**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8330, 53.0091, 58.2155** is the 20% darker color. If you saturate the color by 10%, you get **76.4817, 90.6381, 98.5245**, and if you desaturate by 10%, it is **94.4475, 99.6956, 108.5924**.

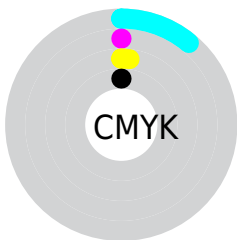
# Distribution



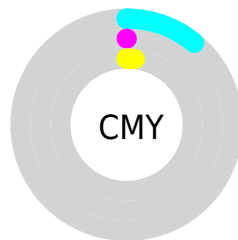
- Red (89%)
- Green (100%)
- Blue (98%)



- Red (89%)
- Yellow (95%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8538, 94.8535, 103.4588 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 84.8538, 94.8535, 103.4588 by changing the saturation by 10% instead.



84.8538, 94.8535,  
103.4588

84.8538, 94.8535,  
103.4588

499.6351,  
543.6959, 592.5670

64.0427, 72.0130,  
78.5593

139.0840,  
154.0622, 167.9955

46.9470, 53.1693,  
58.0144

173.2337,  
191.1992, 208.4698

33.2016, 37.9380,  
41.4054

212.5604,  
233.8706, 254.9728

22.4409, 25.9345,  
28.3139

257.4294,  
282.4606, 307.9230

14.2996, 16.7747,  
18.3213

308.2060,  
337.3538, 367.7390

8.4124, 10.0740,  
11.0091

365.2556,

4.4140, 5.4480,

398.9345, 434.8393

5.9587

428.9435,  
467.5870, 509.6425

■ 1.9389, 2.5125,  
2.7516

■ 0.5993, 0.8829,  
0.9692

■ 84.8538, 94.8535,  
103.4588

■ 84.8538, 94.8535,  
103.4588

■ 76.4817, 90.6381,  
98.5245

94.4475, 99.6956,  
108.5924

■ 69.2762, 87.0211,  
93.7812

95.0500, 100.0000,  
108.9000

■ 63.1822, 83.9740,  
89.2266

■ 58.1387, 81.4655,  
84.8566

■ 54.0791, 79.4612,  
80.6668

■ 50.9287, 77.9227,  
76.6525

■ 48.6022, 76.8060,  
72.8084

■ 46.9973, 76.0584,  
69.1284

■ 45.9930, 75.6132,  
65.8061

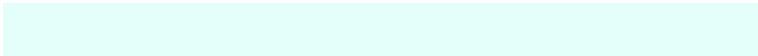
# Harmonies

## Analogous

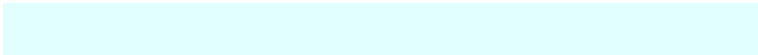
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5215, 94.8535, 95.8735



84.8538, 94.8535, 103.4588



85.5819, 94.8535, 111.3834

# Triad

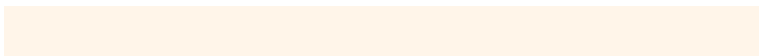
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8538, 94.8535, 103.4588



92.9424, 94.8535, 117.1867



92.8318, 94.8535, 90.3541

# Complementary

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



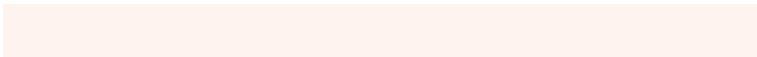
84.8538, 94.8535, 103.4588



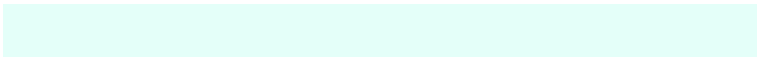
83.8353, 82.6885, 89.3841

# 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.



94.8890, 94.8535, 95.5782



84.8538, 94.8535, 103.4588



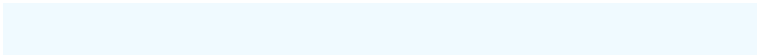
94.9538, 94.8535, 111.0570

# Square

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



84.8538, 94.8535, 103.4588



90.2180, 94.8535, 119.5579



95.6734, 94.8535, 103.1001



90.0928, 94.8535, 88.5498

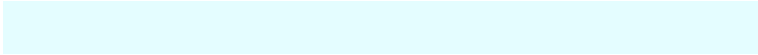


# Rectangle

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



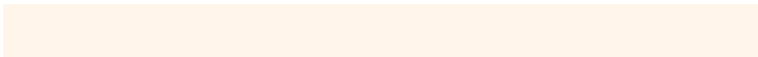
84.8538, 94.8535, 103.4588



86.7698, 94.8535, 115.7309



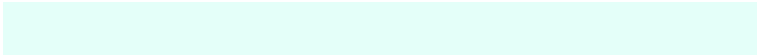
95.6734, 94.8535, 103.1001



93.6280, 94.8535, 91.7545

# Sweetspot

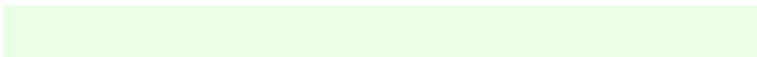
The Sweet Spot groups the original color and five complimentary colors.



84.8547, 94.8540, 103.4603



92.0189, 98.4689, 107.3361



83.7947, 94.6651, 87.2561



19.5265, 20.9909, 22.8855



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

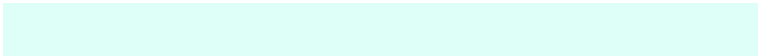


# Same Dimension

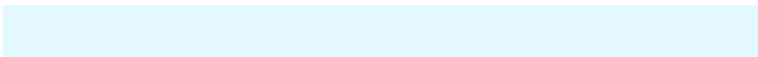
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8547, 94.8540, 103.4603



82.7250, 93.7806, 102.2517



83.5517, 90.7266, 107.7161



18.3720, 20.4083, 22.2617



24.0910, 39.5330, 34.6940



2.3862, 3.8654, 3.5914



# Inverse Universe

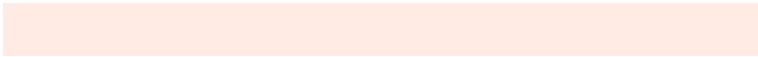
The Inverse Universe completely reimagines the original color for something new.



83.8353, 82.6885, 89.3841



81.4944, 79.0921, 85.2574



85.0100, 86.3937, 85.5955



18.1746, 18.0531, 19.5365



21.9755, 11.2795, 3.2557



2.1785, 1.1138, 0.5215



# Previews

## White Background



This preview shows how the XYZ color 84.8538, 94.8535, 103.4588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

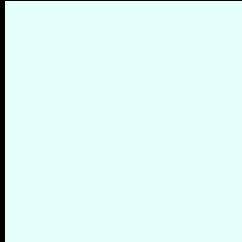
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.8538, 94.8535, 103.4588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

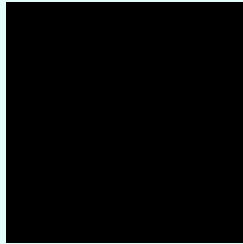
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

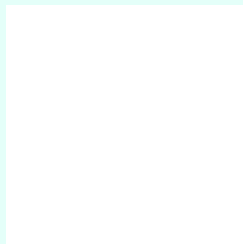
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.8538, 94.8535, 103.4588

## Background



This preview shows how black text looks on a background with the XYZ color 84.8538, 94.8535, 103.4588.



This preview shows how white text looks on a background with the XYZ color 84.8538, 94.8535,

103.4588.

# 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

84.8538, 94.8535, 103.4588

### Protanopia

90.9219, 94.7982, 99.8920

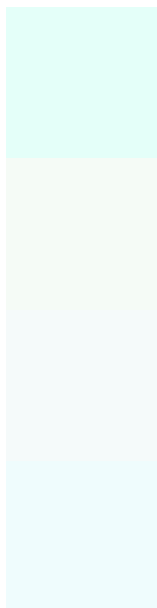
### Deuteranopia

91.7561, 94.6837, 103.8822

## **Tritanopia**

89.8918, 95.0037, 108.2075

# Trichromacy



## Original Color

84.8538, 94.8535, 103.4588

## Protanomaly

88.7879, 95.0607, 100.8577

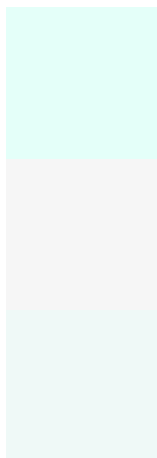
## Deuteranomaly

89.0971, 94.6858, 104.0227

## Tritanomaly

88.1366, 95.0634, 106.6323

# Monochromacy



## Original Color

84.8538, 94.8535, 103.4588

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.2608, 92.8175, 101.3648

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8538, 94.8535, 103.4588 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(228, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 249)  
}
```

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(228, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8538, 94.8535, 103.4588 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(228, 255, 249) }
```



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

```
.border{ border-color:rgb(228, 255, 249) }
```

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

Here you see how a box with a 4 pixel rgb(228, 255, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8538, 94.8535, 103.4588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 249) }
```

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

```
.background{ background-color: rgb(228,  
255, 249) }
```

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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