

# Converting Colors

XYZ(86.8420, 99.5487,  
103.3054)

Have a look what the booklet for  
XYZ(86.8420, 99.5487, 103.3054)  
contains.

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# **Color**

**XYZ(84.3818, 94.6282,  
102.6246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3FFF8
RGB	227, 255, 248
RGB Percent	89%, 100%, 97%
CMY	0.1098, 0.0000, 0.0274
CMYK	0.11, 0.00, 0.03, 0.00
HSL	165°, 100%, 95%
HSV	165°, 11%, 100%
XYZ	84.3818, 94.6282, 102.6246
YIQ	245.8300, -14.4410, -8.1130

# Conversions

## Conversions Part 2

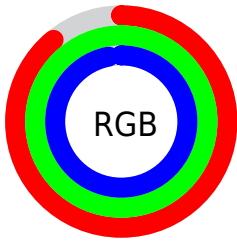
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 243, 255
Decimal	14942200
CIE Lab	97.88, -10.33, 0.26
CIE LCh	98, 10.333, 178.556
Yxy	94.6282, 0.2996, 0.3360
Android (android.graphics.Color)	4293132280 (0xFFE3FFF8)
YUV	245.8300, 1.0698, -16.5139
Hunter-Lab	97.2770, -15.3971, 5.5446

# Details

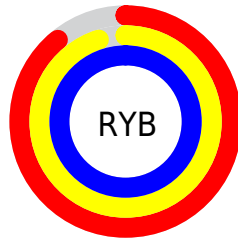
The XYZ color **84.3818, 94.6282, 102.6246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.5609, 82.1397, 89.2924**, and the grayscale version is **87.4596, 92.0143, 100.2036**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5031, 52.8519, 57.6196** is the 20% darker color. If you saturate the color by 10%, you get **75.9537, 90.3957, 97.1567**, and if you desaturate by 10%, it is **94.0365, 99.4891, 108.3287**.

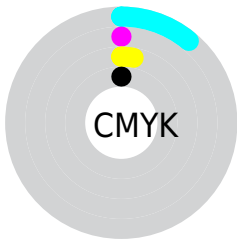
# Distribution



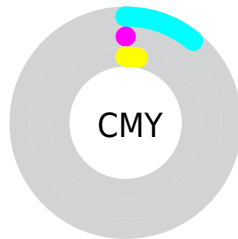
- Red (89%)
- Green (100%)
- Blue (97%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3818, 94.6282, 102.6246 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 84.3818, 94.6282, 102.6246 by changing the saturation by 10% instead.



84.3818, 94.6282,  
102.6246

84.3818, 94.6282,  
102.6246

498.0948,  
542.9740, 589.8934

63.6515, 71.8256,  
77.8652

138.4276,  
153.7508, 166.8426

46.6291, 53.0162,  
57.4475

172.4738,  
190.8397, 207.1382

32.9492, 37.8157,  
40.9528

211.6894,  
233.4593, 253.4497

22.2466, 25.8397,  
27.9628

256.4397,  
281.9942, 306.1955

14.1558, 16.7037,  
18.0588

307.0900,  
336.8287, 365.7943

8.3116, 10.0235,  
10.8224

364.0057,

4.3484, 5.4145,

398.3473, 432.6645

5.8348

427.5522,  
466.9342, 507.2247

■ 1.9011, 2.4925,  
2.6778

■ 0.5775, 0.8729,  
0.9322

■ 84.3818, 94.6282,  
102.6246

■ 84.3818, 94.6282,  
102.6246

■ 75.9537, 90.3957,  
97.1567

94.0365, 99.4891,  
108.3287

■ 68.6971, 86.7632,  
91.9162

95.0500, 100.0000,  
108.9000

■ 62.5564, 83.7022,  
86.9003

■ 57.4706, 81.1813,  
82.1043

■ 53.3725, 79.1657,  
77.5233

■ 50.1870, 77.6171,  
73.1519

■ 47.8282, 76.4908,  
68.9843

■ 46.1927, 75.7339,  
65.0137

■ 45.1928, 75.2931,  
61.5927

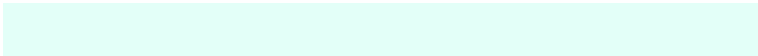
# Harmonies

## Analogous

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



85.1820, 94.6282, 94.7790



84.3818, 94.6282, 102.6246



85.0440, 94.6282, 111.0071

# Triad

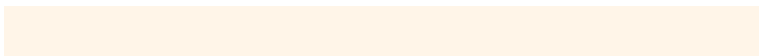
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3818, 94.6282, 102.6246



92.6838, 94.6282, 117.9927



92.9370, 94.6282, 89.7697

# Complementary

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



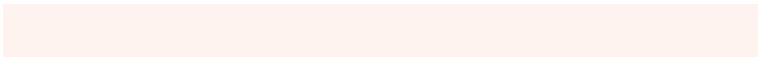
84.3818, 94.6282, 102.6246



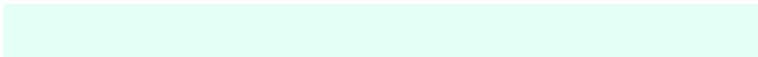
83.5609, 82.1397, 89.2924

# 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.



95.0230, 94.6282, 95.4522



84.3818, 94.6282, 102.6246



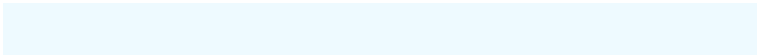
94.8746, 94.6282, 111.7550

# Square

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



84.3818, 94.6282, 102.6246



89.7982, 94.6282, 120.1662



95.7397, 94.6282, 103.4445



90.0845, 94.6282, 87.6128



# Rectangle

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



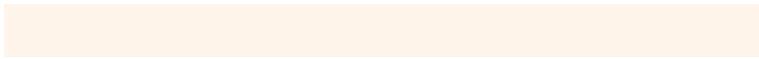
84.3818, 94.6282, 102.6246



86.2339, 94.6282, 115.7150



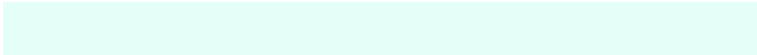
95.7397, 94.6282, 103.4445



93.7534, 94.6282, 91.3151

# Sweetspot

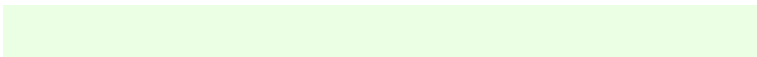
The Sweet Spot groups the original color and five complimentary colors.



84.3827, 94.6286, 102.6261



91.9850, 98.4553, 107.1576



83.5575, 94.5588, 86.5221



19.5174, 20.9872, 22.8372



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

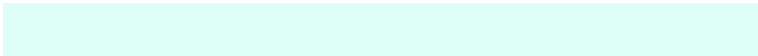


# Same Dimension

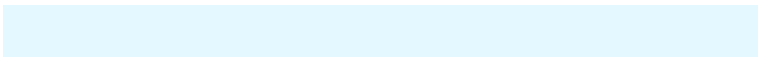
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3827, 94.6286, 102.6261



82.5827, 93.7237, 101.5024



83.2967, 90.6863, 107.7217



18.3494, 20.3993, 22.1431



23.6772, 39.3675, 32.5151



2.3490, 3.8505, 3.3958



# Inverse Universe

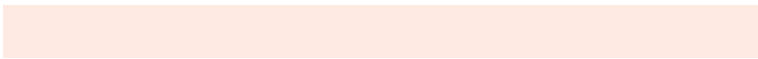
The Inverse Universe completely reimagines the original color for something new.



83.5609, 82.1397, 89.2924



81.6235, 79.1437, 85.9373



84.5286, 85.6526, 84.7519



18.1956, 18.0615, 19.6471



22.0782, 11.3206, 3.7965



2.1912, 1.1188, 0.5881



# Previews

## White Background



This preview shows how the XYZ color 84.3818, 94.6282, 102.6246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

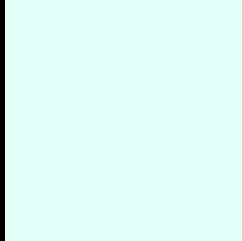
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3818, 94.6282, 102.6246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

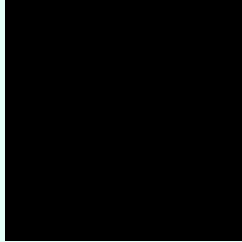
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

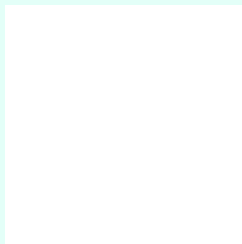
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.3818, 94.6282, 102.6246

## Background



This preview shows how black text looks on a background with the XYZ color 84.3818, 94.6282, 102.6246.



This preview shows how white text looks on a background with the XYZ color 84.3818, 94.6282,

102.6246.

# 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

84.3818, 94.6282, 102.6246

### Protanopia

90.4629, 94.1240, 98.9878

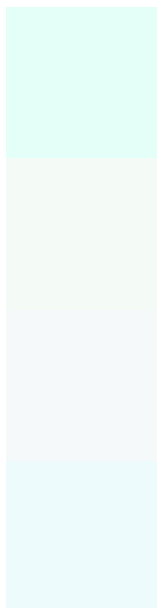
### Deuteranopia

91.2947, 94.0111, 102.9567

## Tritanopia

89.2339, 94.2045, 108.0879

# Trichromacy



## Original Color

84.3818, 94.6282, 102.6246

## Protanomaly

87.9753, 94.1969, 99.9312

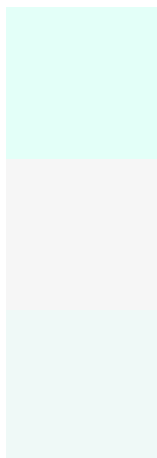
## Deuteranomaly

88.6308, 94.0034, 103.0957

## Tritanomaly

87.3278, 94.1998, 105.6752

# Monochromacy



## Original Color

84.3818, 94.6282, 102.6246

## 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 84.3818, 94.6282, 102.6246 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(227, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 255, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3818, 94.6282, 102.6246 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, 248) }
```



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

```
.border{ border-color:rgb(227, 255, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(227, 255,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3818, 94.6282, 102.6246 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, 248) }
```

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

```
.background{ background-color: rgb(227,  
255, 248) }
```

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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