

# Converting Colors

XYZ(87.0856, 100.0000,  
106.7077)

Have a look what the booklet for  
XYZ(87.0856, 100.0000, 106.7077)  
contains.

<b>XYZ(84.3820, 94.5558, 105.8992)</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(84.3820, 94.5558,  
105.8992)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFFC
RGB	225, 255, 252
RGB Percent	88%, 100%, 99%
CMY	0.1176, 0.0000, 0.0118
CMYK	0.12, 0.00, 0.01, 0.00
HSL	174°, 100%, 94%
HSV	174°, 12%, 100%
XYZ	84.3820, 94.5558, 105.8992
YIQ	245.6880, -16.9170, -7.2930

# Conversions

## Conversions Part 2

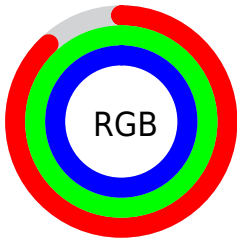
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 241, 255
Decimal	14811132
CIE Lab	97.86, -10.20, -1.85
CIE LCh	98, 10.371, 190.295
Yxy	94.5558, 0.2962, 0.3320
Android (android.graphics.Color)	4293001212 (0xFFE1FFFC)
YUV	245.6880, 3.1118, -18.1434
Hunter-Lab	97.2398, -15.2723, 3.4980

# Details

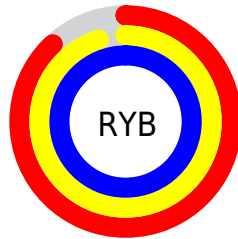
The XYZ color **84.3820, 94.5558, 105.8992** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.1694, 80.7130, 84.6473**, and the grayscale version is **87.3305, 91.8784, 100.0556**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4066, 52.7633, 59.3682** is the 20% darker color. If you saturate the color by 10%, you get **76.6163, 90.5988, 103.4428**, and if you desaturate by 10%, it is **93.3422, 99.1280, 108.4427**.

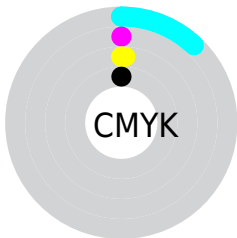
# Distribution



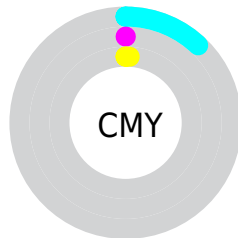
- Red (88%)
- Green (100%)
- Blue (99%)



- Red (88%)
- Yellow (95%)
- Blue (100%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3820, 94.5558, 105.8992 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 84.3820, 94.5558, 105.8992 by changing the saturation by 10% instead.



84.3820, 94.5558,  
105.8992

84.3820, 94.5558,  
105.8992

498.0954,  
542.7419, 600.3525

63.6516, 71.7653,  
80.5920

138.4279,  
153.6508, 171.3630

46.6292, 52.9670,  
59.6766

172.4742,  
190.7241, 212.3567

32.9493, 37.7764,  
42.7344

211.6898,  
233.3271, 259.4164

22.2467, 25.8092,  
29.3470

256.4401,  
281.8442, 312.9605

14.1559, 16.6810,  
19.0956

307.0904,  
336.6599, 373.4076

8.3116, 10.0073,  
11.5619

364.0062,

4.3485, 5.4038,

398.1585, 441.1763

6.3272

427.5528,  
466.7244, 516.6851

■ 1.9011, 2.4861,  
2.9731

■ 0.5775, 0.8697,  
1.0809

■ 84.3820, 94.5558,  
105.8992

■ 84.3820, 94.5558,  
105.8992

■ 76.6163, 90.5988,  
103.4428

■ 93.3422, 99.1280,  
108.4427

■ 69.9898, 87.2284,  
101.0665

■ 95.0500, 100.0000,  
108.9000

■ 64.4470, 84.4161,  
98.7689

■ 59.9268, 82.1303,  
96.5471

■ 56.3617, 80.3364,  
94.3979

■ 53.6764, 78.9953,  
92.3175

■ 51.7840, 78.0624,  
90.3019

■ 50.5799, 77.4837,  
88.3460

■ 49.9747, 77.2059,  
86.7738

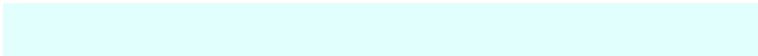
# Harmonies

## Analogous

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



84.6142, 94.5558, 97.5504



84.3820, 94.5558, 105.8992



85.5962, 94.5558, 113.8735

# Triad

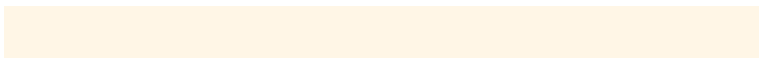
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3820, 94.5558, 105.8992



93.6080, 94.5558, 115.9100



91.8074, 94.5558, 88.3438

# Complementary

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



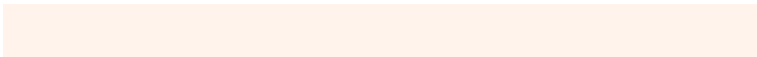
84.3820, 94.5558, 105.8992



82.1694, 80.7130, 84.6473

# 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.



94.2888, 94.5558, 92.7581



84.3820, 94.5558, 105.8992



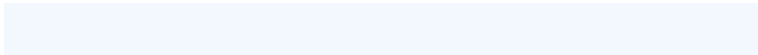
95.3442, 94.5558, 108.5560

# Square

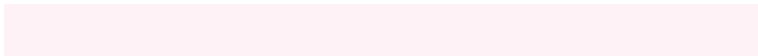
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3820, 94.5558, 105.8992



90.8946, 94.5558, 119.8601



95.5960, 94.5558, 100.0663



88.8580, 94.5558, 87.7196

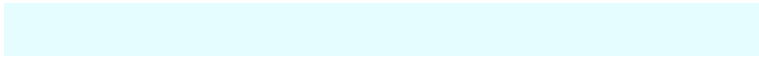


# Rectangle

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



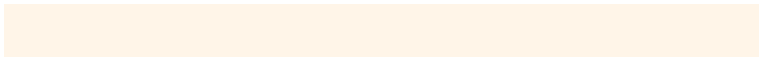
84.3820, 94.5558, 105.8992



87.0784, 94.5558, 117.7897



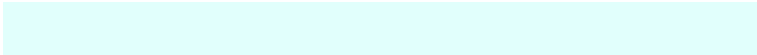
95.5960, 94.5558, 100.0663



92.7257, 94.5558, 89.4216

# Sweetspot

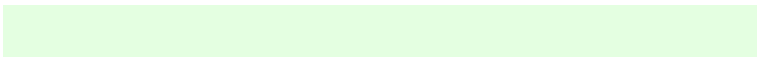
The Sweet Spot groups the original color and five complimentary colors.



84.3830, 94.5563, 105.9007



91.2327, 98.0510, 107.8669



81.3464, 93.4506, 84.9860



19.3786, 20.9109, 23.0467



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

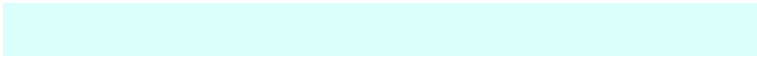


# Same Dimension

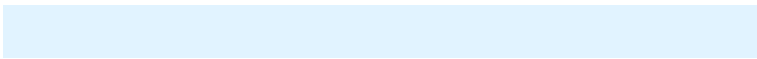
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3830, 94.5563, 105.9007



82.5445, 93.6190, 105.3439



81.1528, 87.3296, 107.1868



18.4720, 20.4483, 22.7884



26.1448, 40.3545, 45.5092



2.5673, 3.9379, 4.5454



# Inverse Universe

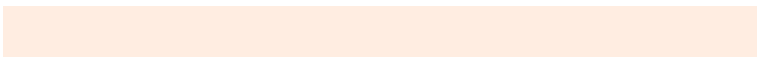
The Inverse Universe completely reimagines the original color for something new.



82.1694, 80.7130, 84.6473



79.9514, 77.4003, 80.4447



85.1154, 87.2655, 83.5935



18.0831, 18.0166, 19.0549



21.6673, 11.1562, 1.6326



2.1330, 1.0956, 0.2820



# Previews

## White Background



This preview shows how the XYZ color 84.3820, 94.5558, 105.8992 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

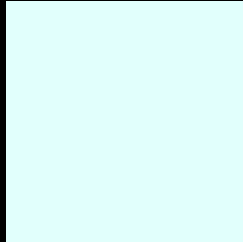
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.3820, 94.5558, 105.8992 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

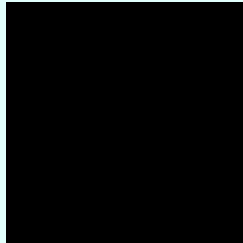
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

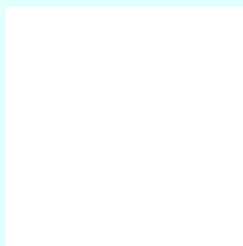
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.3820, 94.5558, 105.8992

## Background



This preview shows how black text looks on a background with the XYZ color 84.3820, 94.5558, 105.8992.



This preview shows how white text looks on a background with the XYZ color 84.3820, 94.5558,

105.8992.

# Color Blindness Simulation

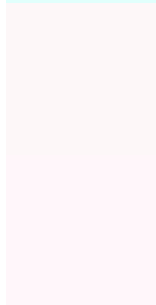
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

84.3820, 94.5558, 105.8992



### Protanopia

90.7121, 94.1815, 102.2047

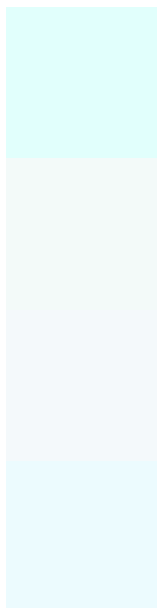
### Deuteranopia

91.4511, 94.0737, 103.7805

## **Tritanopia**

88.8878, 94.0260, 108.0717

# Trichromacy



## Original Color

84.3820, 94.5558, 105.8992

## Protanomaly

88.2466, 94.2655, 103.1665

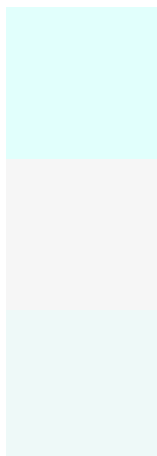
## Deuteranomaly

88.5965, 93.9495, 104.7313

## Tritanomaly

86.9786, 93.9830, 107.3222

# Monochromacy



## Original Color

84.3820, 94.5558, 105.8992

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.0789, 92.7058, 102.1641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.3820, 94.5558, 105.8992 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(225, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 252)  
}
```

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(225, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 84.3820, 94.5558, 105.8992 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(225, 255, 252) }
```



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

```
.border{ border-color:rgb(225, 255, 252) }
```

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

Here you see how a box with a 4 pixel rgb(225, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.3820, 94.5558, 105.8992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 252) }
```

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

```
.background{ background-color: rgb(225,  
255, 252) }
```

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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