

# Converting Colors

XYZ(88.2670, 94.7000,  
109.0802)

Have a look what the booklet for  
XYZ(88.2670, 94.7000, 109.0802)  
contains.

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# Color

**XYZ(88.1438, 94.5651,  
108.2150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFFBFF
RGB	239, 251, 255
RGB Percent	94%, 98%, 100%
CMY	0.0627, 0.0157, 0.0000
CMYK	0.06, 0.02, 0.00, 0.00
HSL	195°, 100%, 97%
HSV	195°, 6%, 100%
XYZ	88.1438, 94.5651, 108.2150
YIQ	247.8680, -8.4360, -1.3000

# Conversions

## Conversions Part 2

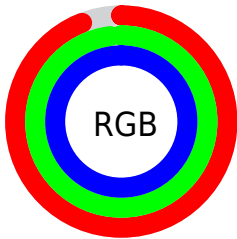
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 246, 255
Decimal	15727615
CIE Lab	97.86, -3.18, -3.28
CIE LCh	98, 4.571, 225.870
Yxy	94.5651, 0.3030, 0.3251
Android (android.graphics.Color)	4293917695 (0xFFE <sup>6</sup> FBFF)
YUV	247.8680, 3.5161, -7.7772
Hunter-Lab	97.2446, -8.3832, 2.0926

# Details

The XYZ color 88.1438, 94.5651, 108.2150 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8697, 91.5911, 94.6578, and the grayscale version is 89.0946, 93.7345, 102.0768.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.2366, 53.1747, 61.0948 is the 20% darker color. If you saturate the color by 10%, you get 78.1797, 86.5279, 107.1888, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

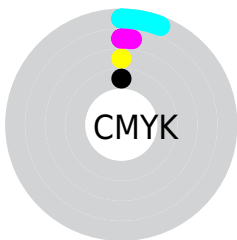
# Distribution



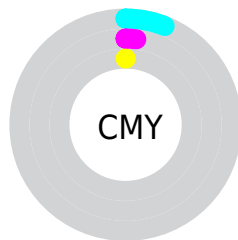
- Red (94%)
- Green (98%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.1438, 94.5651, 108.2150 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 88.1438, 94.5651, 108.2150 by changing the saturation by 10% instead.




 88.1438, 94.5651,  
108.2150

 88.1438, 94.5651,  
108.2150


510.3024,  
542.7718, 607.6919

 66.7734, 71.7731,  
82.5237


143.6488,  
153.6636, 174.5515

 49.1705, 52.9733,  
61.2590


178.5142,  
190.7389, 216.0338

 34.9698, 37.7815,  
44.0023


218.6085,  
233.3441, 263.6168

 23.8060, 25.8131,  
30.3351

264.2971,  
281.8635, 317.7191

 15.3138, 16.6839,  
19.8389

315.9455,  
336.6816, 378.7592

 9.1276, 10.0094,  
12.0951

373.9189,

 4.8823, 5.4052,

398.1827, 447.1557

6.6851

438.5828,  
466.7513, 523.3271

■ 2.2124, 2.4869,  
3.1905

■ 0.7493, 0.8701,  
1.1927

■ 88.1438, 94.5651,  
108.2150

■ 88.1438, 94.5651,  
108.2150

■ 78.1797, 86.5279,  
107.1888

95.0500, 100.0000,  
108.9000

■ 69.4434, 79.2194,  
106.2386

■ 61.8825, 72.6142,  
105.3621

■ 55.4380, 66.6808,  
104.5565

■ 50.0454, 61.3851,  
103.8186

■ 45.6333, 56.6893,  
103.1447

■ 42.1211, 52.5506,  
102.5310

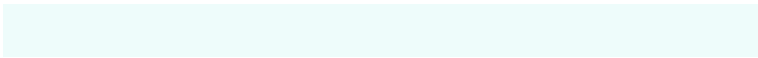
■ 39.4142, 48.9194,  
101.9728

■ 37.3952, 45.7339,  
101.4643

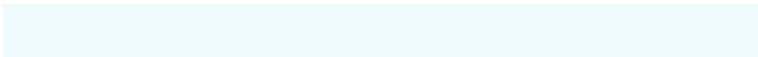
# Harmonies

## Analogous

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



87.4870, 94.5651, 104.9449



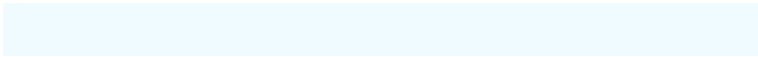
88.1438, 94.5651, 108.2150



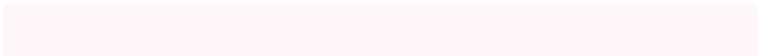
89.2695, 94.5651, 110.0995

# Triad

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



88.1438, 94.5651, 108.2150



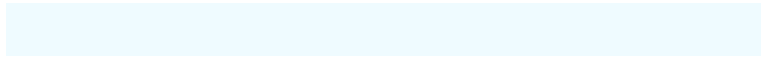
92.3390, 94.5651, 104.7313



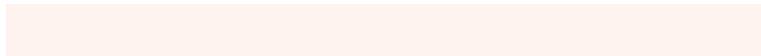
89.1962, 94.5651, 96.2002

# Complementary

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



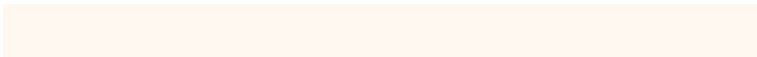
88.1438, 94.5651, 108.2150



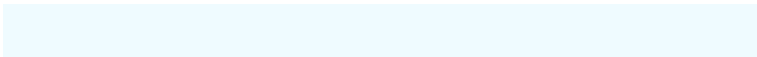
88.8697, 91.5911, 94.6578

# 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.



90.4958, 94.5651, 96.1462



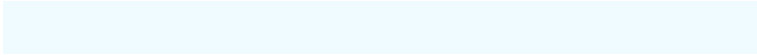
88.1438, 94.5651, 108.2150



92.3189, 94.5651, 101.0108

# Square

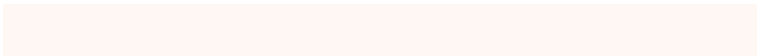
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.1438, 94.5651, 108.2150



91.6961, 94.5651, 108.0554



91.6415, 94.5651, 97.8882

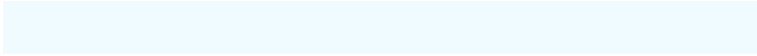


88.0906, 94.5651, 98.0376



# Rectangle

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



88.1438, 94.5651, 108.2150



90.1384, 94.5651, 110.2877



91.6415, 94.5651, 97.8882



89.6247, 94.5651, 95.9744

# Sweetspot

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



88.1462, 94.5690, 108.2156



92.7936, 98.2358, 108.6784



87.4949, 96.3261, 98.5655



19.8853, 21.0451, 23.2640



0.0000, 0.0000, 0.0000

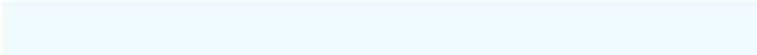


20.3446, 21.4041, 23.3091



# Same Dimension

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



88.1462, 94.5690, 108.2156



86.3356, 93.1274, 108.0327



85.7782, 89.8328, 107.4262



18.1482, 19.6681, 23.0898



19.3292, 23.5679, 52.9649



1.9685, 2.4676, 5.1858



# Inverse Universe

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



89.5206, 89.9595, 103.9172



88.0746, 87.3441, 102.5828



91.2344, 96.3203, 95.4460



18.5875, 18.2183, 21.7108



26.5447, 13.1072, 27.3164

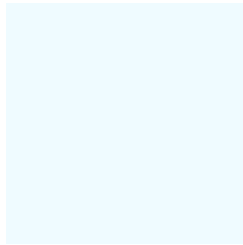


2.6282, 1.2937, 2.8895



# Previews

## White Background



This preview shows how the XYZ color 88.1438, 94.5651, 108.2150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

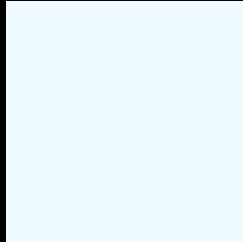
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.1438, 94.5651, 108.2150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

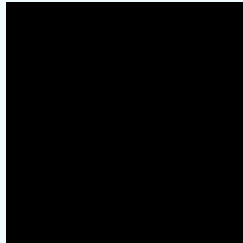
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

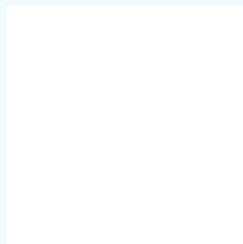
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.1438, 94.5651, 108.2150

## Background



This preview shows how black text looks on a background with the XYZ color 88.1438, 94.5651, 108.2150.



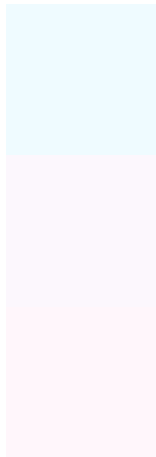
This preview shows how white text looks on a background with the XYZ color 88.1438, 94.5651,



# 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

88.1438, 94.5651, 108.2150

### Protanopia

91.1353, 94.3088, 106.3286

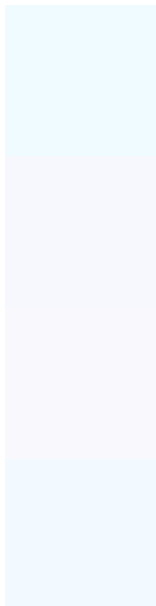
### Deuteranopia

91.6084, 94.1366, 104.6087

## **Tritanopia**

89.9317, 94.5642, 108.1205

# Trichromacy



## Original Color

88.1438, 94.5651, 108.2150

## Protanomaly

89.8146, 94.0647, 107.1885

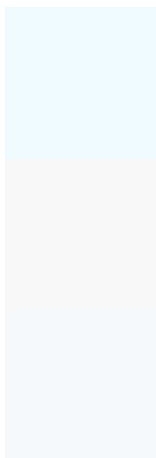
## Deuteranomaly

90.2050, 94.3028, 105.5434

## Tritanomaly

89.1978, 94.6459, 108.1750

# Monochromacy



## Original Color

88.1438, 94.5651, 108.2150

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

88.9445, 94.1289, 104.7476

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.1438, 94.5651, 108.2150 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(239, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 251, 255)  
}
```

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(239, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.1438, 94.5651, 108.2150 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(239, 251, 255) }
```



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

```
.border{ border-color:rgb(239, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.1438, 94.5651, 108.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 251, 255) }
```

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

```
.background{ background-color: rgb(239,  
251, 255) }
```

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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