

# Converting Colors

XYZ(88.9775, 94.5888,  
108.1756)

Have a look what the booklet for  
XYZ(88.9775, 94.5888, 108.1756)  
contains.

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# **Color**

**XYZ(88.8536, 94.4685,  
108.1589)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FAFF
RGB	242, 250, 255
RGB Percent	95%, 98%, 100%
CMY	0.0510, 0.0196, 0.0000
CMYK	0.05, 0.02, 0.00, 0.00
HSL	203°, 100%, 97%
HSV	203°, 5%, 100%
XYZ	88.8536, 94.4685, 108.1589
YIQ	248.1780, -6.3730, -0.1410

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 247, 255
Decimal	15923967
CIE Lab	97.82, -1.71, -3.31
CIE LCh	98, 3.729, 242.696
Yxy	94.4685, 0.3048, 0.3241
Android (android.graphics.Color)	4294114047 (0xFF F2FAFF)
YUV	248.1780, 3.3632, -5.4181
Hunter-Lab	97.1949, -6.9100, 2.0583

# Details

The XYZ color 88.8536, 94.4685, 108.1589 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.5269, 94.1901, 97.4152, and the grayscale version is 89.3480, 94.0010, 102.3671.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7345, 53.0999, 61.0541 is the 20% darker color. If you saturate the color by 10%, you get 77.7388, 84.3382, 106.7894, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

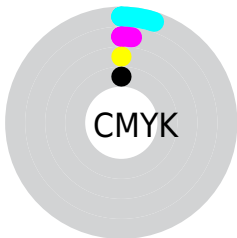
# Distribution



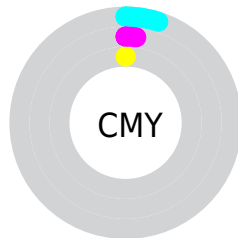
- Red (95%)
- Green (98%)
- Blue (100%)



- Red (95%)
- Yellow (97%)
- Blue (100%)



- Cyan (5%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.8536, 94.4685, 108.1589 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 88.8536, 94.4685, 108.1589 by changing the saturation by 10% instead.




 88.8536, 94.4685,  
108.1589

 88.8536, 94.4685,  
108.1589

512.5882,  
542.4620, 607.5147

 67.3634, 71.6927,  
82.4769


144.6314,  
153.5301, 174.4743

 49.6518, 52.9077,  
61.2206


179.6497,  
190.5847, 215.9448

 35.3534, 37.7291,  
43.9715

219.9081,  
233.1677, 263.5152

 24.1030, 25.7725,  
30.3111

265.7718,  
281.6634, 317.6041

 15.5352, 16.6535,  
19.8208

317.6064,  
336.4563, 378.6299

 9.2846, 9.9878,  
12.0820

375.7771,

 4.9859, 5.3908,

397.9308, 447.0113

6.6764

440.6492,  
466.4712, 523.1667

■ 2.2737, 2.4784,  
3.1852

■ 0.7811, 0.8658,  
1.1899

■ 88.8536, 94.4685,  
108.1589

■ 88.8536, 94.4685,  
108.1589

■ 77.7388, 84.3382,  
106.7894

95.0500, 100.0000,  
108.9000

■ 67.9474, 75.1188,  
105.5259

■ 59.4258, 66.7816,  
104.3658

■ 52.1137, 59.2919,  
103.3055

■ 45.9454, 52.6121,  
102.3413

■ 40.8485, 46.7010,  
101.4690

■ 36.7417, 41.5125,  
100.6840

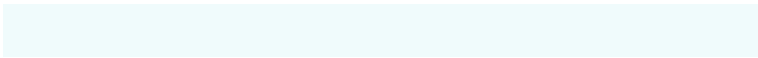
■ 33.5302, 36.9938,  
99.9810

■ 31.0983, 33.0809,  
99.3539

# Harmonies

## Analogous

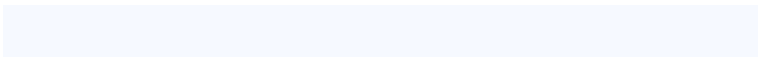
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0775, 94.4685, 106.0602



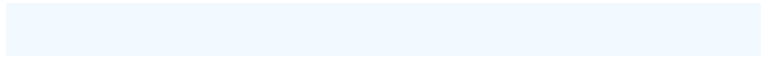
88.8536, 94.4685, 108.1589



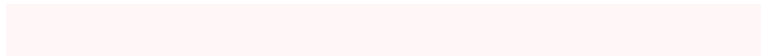
89.8858, 94.4685, 108.8291

# Triad

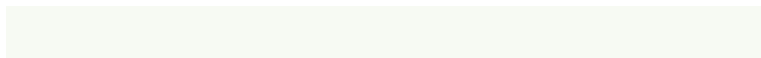
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8536, 94.4685, 108.1589



91.8502, 94.4685, 102.5845



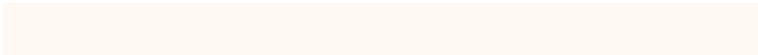
88.6880, 94.4685, 98.0042

# Complementary

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



88.8536, 94.4685, 108.1589



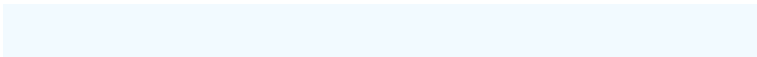
90.5269, 94.1901, 97.4152

# Split Complementary

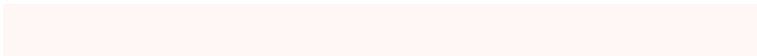
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6932, 94.4685, 97.1135



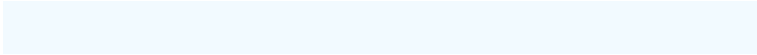
88.8536, 94.4685, 108.1589



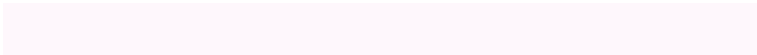
91.5235, 94.4685, 99.7251

# Square

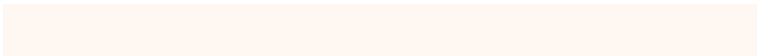
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



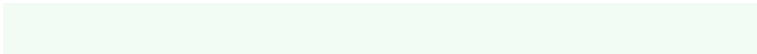
88.8536, 94.4685, 108.1589



91.6211, 94.4685, 105.5733



90.7319, 94.4685, 97.7373



87.9825, 94.4685, 100.1939



# Rectangle

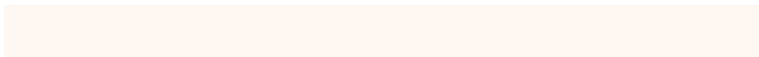
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8536, 94.4685, 108.1589



90.5818, 94.4685, 108.3650



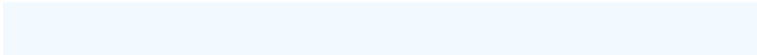
90.7319, 94.4685, 97.7373



89.0018, 94.4685, 97.5449

# Sweetspot

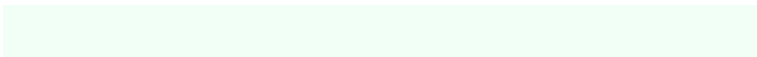
The Sweet Spot groups the original color and five complimentary colors.



88.8560, 94.4724, 108.1595



92.5766, 97.8016, 108.6060



89.1648, 97.1120, 102.0282



19.8411, 20.9567, 23.2493



0.0000, 0.0000, 0.0000

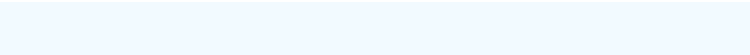


20.3446, 21.4041, 23.3091

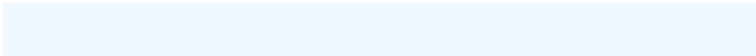


# Same Dimension

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



88.8560, 94.4724, 108.1595



87.7966, 93.5192, 108.0314



86.8746, 90.5095, 107.4990



18.6295, 19.8704, 23.1034



15.8824, 16.6744, 51.8160



1.6522, 1.8352, 5.0804



# Inverse Universe

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



90.2489, 91.6679, 103.3843



89.4297, 90.2508, 102.4284



92.5454, 98.2272, 98.0880



19.0160, 19.1003, 21.7767



24.8049, 12.4113, 18.1550

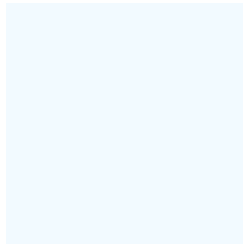


2.4686, 1.2298, 2.0490



# Previews

## White Background



This preview shows how the XYZ color 88.8536, 94.4685, 108.1589 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

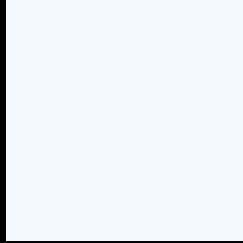
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.8536, 94.4685, 108.1589 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

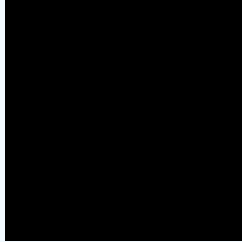
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

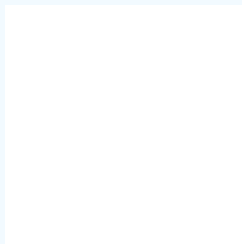
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.8536, 94.4685, 108.1589

## Background



This preview shows how black text looks on a background with the XYZ color 88.8536, 94.4685, 108.1589.



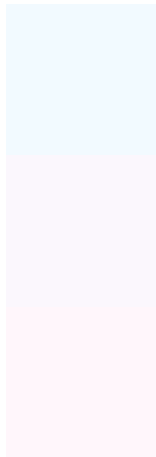
This preview shows how white text looks on a background with the XYZ color 88.8536, 94.4685, 108.1589.



# 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

88.8536, 94.4685, 108.1589

### Protanopia

90.7740, 94.1226, 106.3117

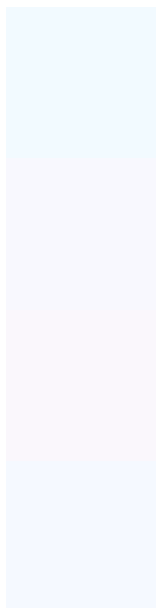
### Deuteranopia

91.6084, 94.1366, 104.6087

## **Tritanopia**

89.9752, 94.1290, 108.0342

# Trichromacy



## Original Color

88.8536, 94.4685, 108.1589

## Protanomaly

90.1682, 94.2470, 107.2051

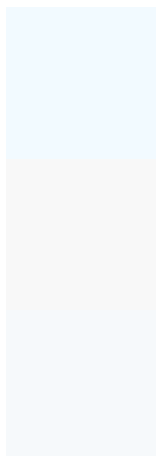
## Deuteranomaly

90.2558, 93.8738, 105.4579

## Tritanomaly

89.5819, 94.3838, 108.1042

# Monochromacy



## Original Color

88.8536, 94.4685, 108.1589

## Achromatopsia

89.2221, 93.8686, 102.2229

## Achromatomaly

89.2943, 94.3092, 104.7640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.8536, 94.4685, 108.1589 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(242, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 250, 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(242, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.8536, 94.4685, 108.1589 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(242, 250, 255) }
```



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

```
.border{ border-color:rgb(242, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.8536, 94.4685, 108.1589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 250, 255) }
```

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

```
.background{ background-color: rgb(242,  
250, 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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