

# Converting Colors

XYZ(103.9426, 100.1875,  
187.3177)

Have a look what the booklet for  
XYZ(103.9426, 100.1875, 187.3177)  
contains.

<b>XYZ(88.8878, 94.0260, 108.0717)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(88.8878, 94.0260,  
108.0717)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F9FF
RGB	243, 249, 255
RGB Percent	95%, 98%, 100%
CMY	0.0471, 0.0235, 0.0000
CMYK	0.05, 0.02, 0.00, 0.00
HSL	210°, 100%, 98%
HSV	210°, 5%, 100%
XYZ	88.8878, 94.0260, 108.0717
YIQ	247.8900, -5.5020, 0.5940

# Conversions

## Conversions Part 2

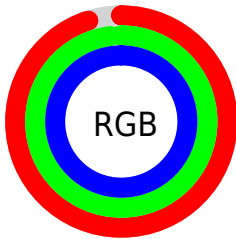
Format	Color
R <sub>Y</sub> B	243, 247, 255
Decimal	15989247
CIE Lab	97.64, -0.88, -3.57
CIE LCh	98, 3.674, 256.132
Yxy	94.0260, 0.3055, 0.3231
Android (android.graphics.Color)	4294179327 (0xFFFF3F9FF)
YUV	247.8900, 3.5052, -4.2885
Hunter-Lab	96.9670, -6.0647, 1.7970

# Details

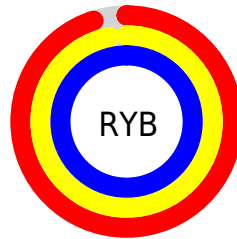
The XYZ color 88.8878, 94.0260, 108.0717 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.2924, 95.4802, 98.4134, and the grayscale version is 89.1109, 93.7516, 102.0955.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7565, 52.7819, 60.9916 is the 20% darker color. If you saturate the color by 10%, you get 76.8867, 82.1928, 106.4202, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

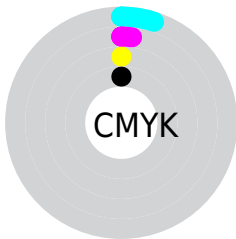
# Distribution



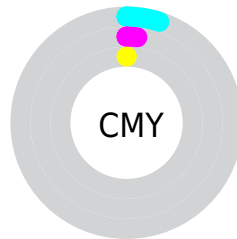
- Red (95%)
- Green (98%)
- Blue (100%)



- 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 88.8878, 94.0260, 108.0717 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 88.8878, 94.0260, 108.0717 by changing the saturation by 10% instead.



88.8878, 94.0260,  
108.0717

88.8878, 94.0260,  
108.0717

512.6982,  
541.0421, 607.2391

67.3918, 71.3246,  
82.4041

144.6787,  
152.9183, 174.3544

49.6750, 52.6071,  
61.1609

179.7044,  
189.8780, 215.8066

35.3719, 37.4892,  
43.9236

219.9706,  
232.3592, 263.3573

24.1174, 25.5865,  
30.2737

265.8428,  
280.7463, 317.4253

15.5459, 16.5146,  
19.7926

317.6863,  
335.4238, 378.4288

9.2922, 9.8890,  
12.0618

375.8665,

4.9909, 5.3254,

396.7760, 446.7867

6.6627

440.7487,  
465.1873, 522.9172

■ 2.2766, 2.4394,  
3.1769

■ 0.7827, 0.8461,  
1.1856

■ 88.8878, 94.0260,  
108.0717

■ 88.8878, 94.0260,  
108.0717

■ 76.8867, 82.1928,  
106.4202

95.0500, 100.0000,  
108.9000

■ 66.3171, 71.4835,  
104.9102

■ 57.1224, 61.8636,  
103.5379

■ 49.2394, 53.2921,  
102.2989

■ 42.5995, 45.7251,  
101.1883

■ 37.1271, 39.1148,  
100.2008

■ 32.7378, 33.4083,  
99.3307

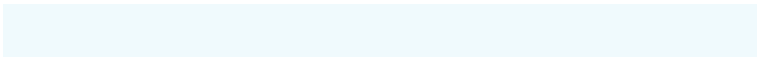
■ 29.3339, 28.5457,  
98.5715

■ 26.7965, 24.4555,  
97.9158

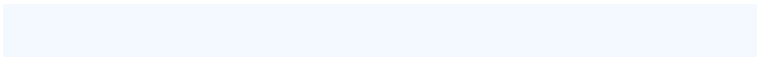
# Harmonies

## Analogous

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



87.9826, 94.0260, 106.5865



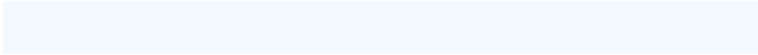
88.8878, 94.0260, 108.0717



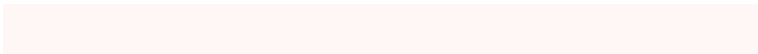
89.9288, 94.0260, 108.0106

# Triad

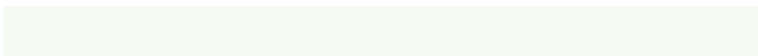
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8878, 94.0260, 108.0717



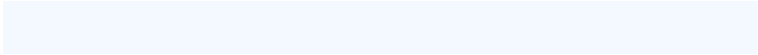
91.3145, 94.0260, 100.7865



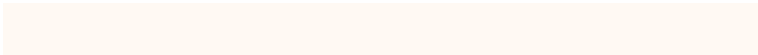
87.9270, 94.0260, 98.4391

# Complementary

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



88.8878, 94.0260, 108.0717



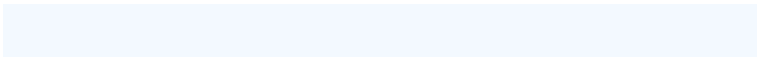
91.2924, 95.4802, 98.4134

# Split Complementary

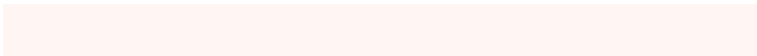
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8113, 94.0260, 96.9453



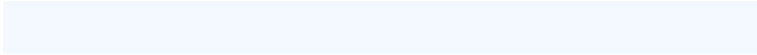
88.8878, 94.0260, 108.0717



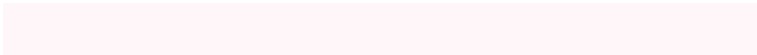
90.7696, 94.0260, 98.2824

# Square

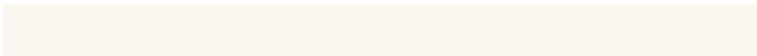
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



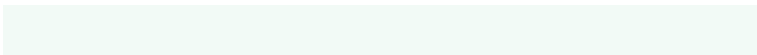
88.8878, 94.0260, 108.0717



91.3353, 94.0260, 103.7648



89.8517, 94.0260, 96.8885

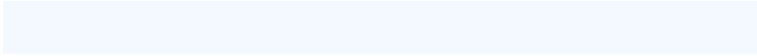


87.4309, 94.0260, 101.0042



# Rectangle

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



88.8878, 94.0260, 108.0717



90.5598, 94.0260, 107.1003



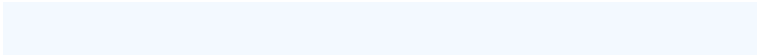
89.8517, 94.0260, 96.8885



88.1884, 94.0260, 97.7972

# Sweetspot

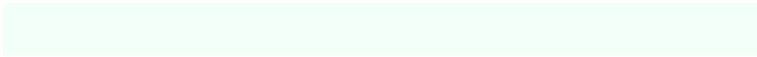
The Sweet Spot groups the original color and five complimentary colors.



88.8902, 94.0299, 108.0723



93.7130, 98.7094, 108.7214



89.7906, 97.4022, 103.5279



20.0725, 21.1415, 23.2727



0.0000, 0.0000, 0.0000

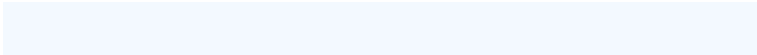


20.3446, 21.4041, 23.3091

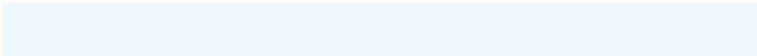


# Same Dimension

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



88.8902, 94.0299, 108.0723



87.2532, 92.4323, 107.8502



87.1238, 90.4971, 107.4835



18.5010, 19.6134, 23.0606



13.5871, 12.0838, 51.0509



1.4321, 1.3950, 5.0070



# Inverse Universe

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



90.3909, 92.2022, 102.6599



89.1554, 90.1411, 100.9840



93.1142, 99.1237, 99.0206



18.9511, 19.0743, 21.4352



23.6463, 11.9478, 12.0541

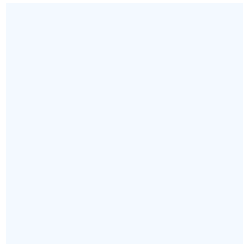


2.3575, 1.1854, 1.4639



# Previews

## White Background



This preview shows how the XYZ color 88.8878, 94.0260, 108.0717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

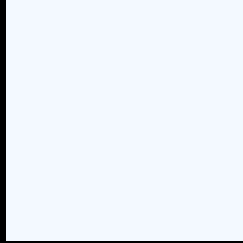
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.8878, 94.0260, 108.0717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

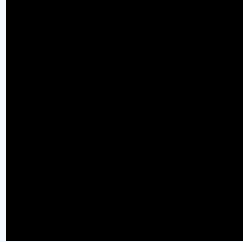
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

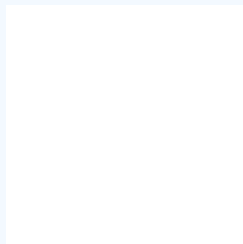
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 88.8878, 94.0260, 108.0717**

## **Background**



This preview shows how black text looks on a background with the XYZ color 88.8878, 94.0260, 108.0717.



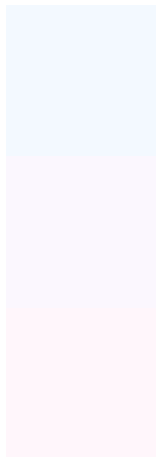
This preview shows how white text looks on a background with the XYZ color 88.8878, 94.0260,



# 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

88.8878, 94.0260, 108.0717

### Protanopia

90.9338, 94.1865, 107.1530

### Deuteranopia

91.6084, 94.1366, 104.6087

## **Tritanopia**

89.9752, 94.1290, 108.0342

# Trichromacy



**Original Color**

88.8878, 94.0260, 108.0717

**Protanomaly**

90.1682, 94.2470, 107.2051

**Deuteranomaly**

90.6151, 94.0590, 105.4747

**Tritanomaly**

89.6234, 93.9476, 108.0178

# Monochromacy



**Original Color**

88.8878, 94.0260, 108.0717

**Achromatopsia**

89.2221, 93.8686, 102.2229

**Achromatomaly**

88.9860, 93.6927, 104.6612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.8878, 94.0260, 108.0717 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(243, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(243, 249, 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(243, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.8878, 94.0260, 108.0717 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(243, 249, 255) }
```



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

```
.border{ border-color:rgb(243, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.8878, 94.0260, 108.0717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 249, 255) }
```

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

```
.background{ background-color: rgb(243,  
249, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor