

# Converting Colors

XYZ(88.9109, 94.9163,  
109.1718)

Have a look what the booklet for  
XYZ(88.9109, 94.9163, 109.1718)  
contains.

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# **Color**

**XYZ(88.8228, 94.9151,  
108.2467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FBFF
RGB	241, 251, 255
RGB Percent	95%, 98%, 100%
CMY	0.0549, 0.0157, 0.0000
CMYK	0.05, 0.02, 0.00, 0.00
HSL	197°, 100%, 97%
HSV	197°, 5%, 100%
XYZ	88.8228, 94.9151, 108.2467
YIQ	248.4660, -7.2440, -0.8760

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 247, 255
Decimal	15858687
CIE Lab	98.00, -2.54, -3.06
CIE LCh	98, 3.975, 230.306
Yxy	94.9151, 0.3042, 0.3251
Android (android.graphics.Color)	4294048767 (0xFFFF1FBFF)
YUV	248.4660, 3.2213, -6.5477
Hunter-Lab	97.4244, -7.7524, 2.3209

# Details

The XYZ color 88.8228, 94.9151, 108.2467 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.7688, 92.9136, 96.4234, and the grayscale version is 89.5853, 94.2507, 102.6390.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7157, 53.4217, 61.1172 is the 20% darker color. If you saturate the color by 10%, you get 78.4912, 86.2817, 107.1248, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

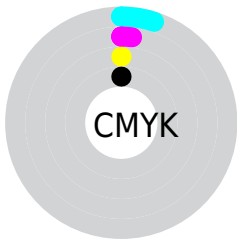
# Distribution



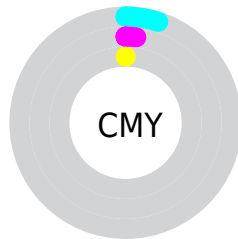
- Red (95%)
- Green (98%)
- Blue (100%)



- 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 88.8228, 94.9151, 108.2467 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 88.8228, 94.9151, 108.2467 by changing the saturation by 10% instead.



88.8228, 94.9151,  
108.2467

88.8228, 94.9151,  
108.2467

512.4891,  
543.8931, 607.7921

67.3377, 72.0643,  
82.5502

144.5888,  
154.1473, 174.5951

49.6309, 53.2112,  
61.2807

179.6005,  
191.2975, 216.0840

35.3368, 37.9714,  
44.0197

219.8517,  
233.9830, 263.6742

24.0901, 25.9605,  
30.3487

265.7079,  
282.5881, 317.7841

15.5256, 16.7941,  
19.8491

317.5344,  
337.4973, 378.8323

9.2778, 10.0878,  
12.1024

375.6965,

4.9814, 5.4572,

399.0949, 447.2373

6.6901

440.5596,  
467.7654, 523.4178

■ 2.2710, 2.5179,  
3.1936

■ 0.7798, 0.8856,  
1.1943

■ 88.8228, 94.9151,  
108.2467

■ 88.8228, 94.9151,  
108.2467

■ 78.4912, 86.2817,  
107.1248

95.0500, 100.0000,  
108.9000

■ 69.4117, 78.4194,  
106.0858

■ 61.5318, 71.3023,  
105.1274

■ 54.7925, 64.8986,  
104.2465

■ 49.1295, 59.1735,  
103.4400

■ 44.4717, 54.0888,  
102.7040

■ 40.7389, 49.6017,  
102.0347

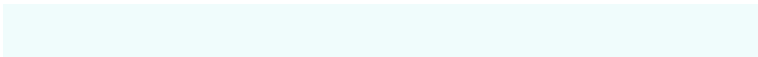
■ 37.8375, 45.6624,  
101.4272

■ 35.6522, 42.2096,  
100.8759

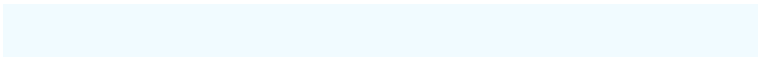
# Harmonies

## Analogous

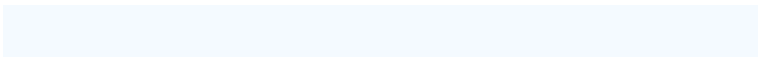
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1761, 94.9151, 105.5377



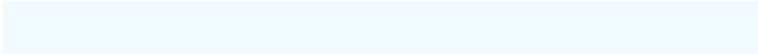
88.8228, 94.9151, 108.2467



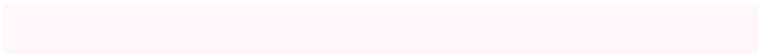
89.8458, 94.9151, 109.6513

# Triad

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



88.8228, 94.9151, 108.2467



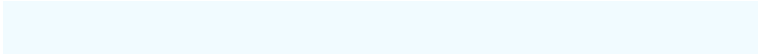
92.3894, 94.9151, 104.4059



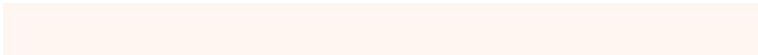
89.4563, 94.9151, 97.5766

# Complementary

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



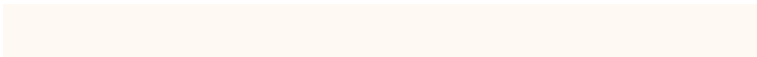
88.8228, 94.9151, 108.2467



89.7688, 92.9136, 96.4234

# 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.



90.5831, 94.9151, 97.2880



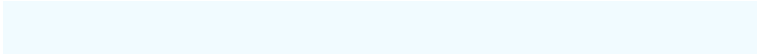
88.8228, 94.9151, 108.2467



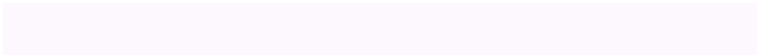
92.2829, 94.9151, 101.1856

# Square

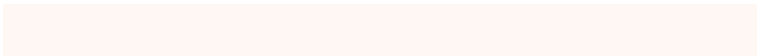
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8228, 94.9151, 108.2467



91.9092, 94.9151, 107.4032



91.6196, 94.9151, 98.5963

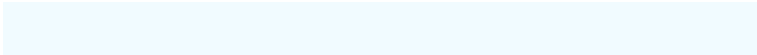


88.5397, 94.9151, 99.3931



# Rectangle

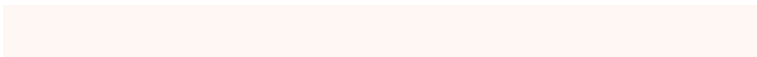
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8228, 94.9151, 108.2467



90.6062, 94.9151, 109.6392



91.6196, 94.9151, 98.5963



89.8228, 94.9151, 97.2991

# Sweetspot

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



88.8252, 94.9190, 108.2474



92.7360, 98.1205, 108.6592



88.5129, 96.8117, 100.3821



19.8736, 21.0216, 23.2601



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.



88.8252, 94.9190, 108.2474



87.1817, 93.5635, 108.0723



86.6875, 90.6435, 107.5348



18.5217, 19.9116, 23.1171



18.3313, 21.5722, 52.6323



1.8782, 2.2870, 5.1557



# Inverse Universe

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



90.1094, 91.1372, 104.1134



88.8083, 88.8115, 102.8273



91.9175, 97.2111, 97.1397



18.8988, 18.8133, 21.9001



26.0410, 12.9057, 24.6641



2.5826, 1.2754, 2.6495



# Previews

## White Background



This preview shows how the XYZ color 88.8228, 94.9151, 108.2467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

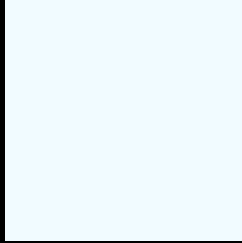
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.8228, 94.9151, 108.2467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

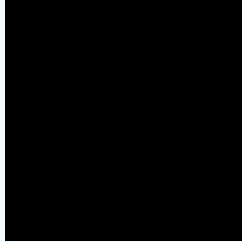
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

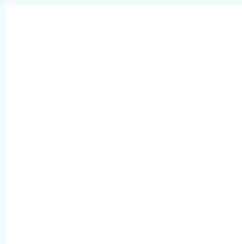
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.8228, 94.9151, 108.2467

## Background



This preview shows how black text looks on a background with the XYZ color 88.8228, 94.9151, 108.2467.



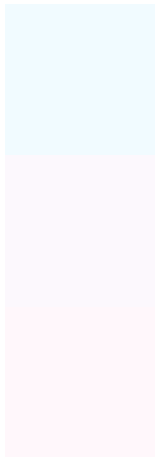
This preview shows how white text looks on a background with the XYZ color 88.8228, 94.9151,



# 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

88.8228, 94.9151, 108.2467

### Protanopia

91.4419, 94.9221, 106.4308

### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

90.2835, 94.7455, 108.1370

# Trichromacy



**Original Color**

88.8228, 94.9151, 108.2467

**Protanomaly**

90.4765, 94.8636, 107.3078

**Deuteranomaly**

90.5624, 94.4871, 105.5601

**Tritanomaly**

89.8918, 95.0037, 108.2075

# Monochromacy



**Original Color**

88.8228, 94.9151, 108.2467

**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 88.8228, 94.9151, 108.2467 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(241, 251, 255) looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.8228, 94.9151, 108.2467 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(241, 251, 255) }
```



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

```
.border{ border-color:rgb(241, 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(241, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.8228, 94.9151, 108.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 251, 255) }
```

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

```
.background{ background-color: rgb(241,  
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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