

# Converting Colors

XYZ(88.5231, 94.8154,  
108.0614)

Have a look what the booklet for  
XYZ(88.5231, 94.8154, 108.0614)  
contains.

|  |    |
|--|----|
| <b>XYZ(88.4824, 94.7396, 108.2308)</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(88.4824, 94.7396,  
108.2308)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | F0FBFF                     |
| RGB         | 240, 251, 255              |
| RGB Percent | 94%, 98%, 100%             |
| CMY         | 0.0588, 0.0157, 0.0000     |
| CMYK        | 0.06, 0.02, 0.00, 0.00     |
| HSL         | 196°, 100%, 97%            |
| HSV         | 196°, 6%, 100%             |
| XYZ         | 88.4824, 94.7396, 108.2308 |
| YIQ         | 248.1670, -7.8400, -1.0880 |

# Conversions

## Conversions Part 2

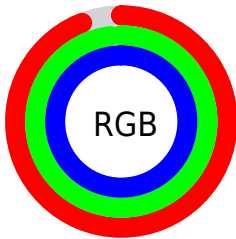
| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| <b>R<sub>YB</sub></b>               | 240, 246, 255                |
| Decimal                             | 15793151                     |
| CIE <sub>Lab</sub>                  | 97.93, -2.86, -3.17          |
| CIE <sub>LCh</sub>                  | 98, 4.270, 227.933           |
| Yxy                                 | 94.7396, 0.3036,<br>0.3251   |
| Android<br>(android.graphics.Color) | 4293983231<br>(0xFF0FBFF)    |
| YUV                                 | 248.1670, 3.3687,<br>-7.1625 |
| Hunter-Lab                          | 97.3343, -8.0683,<br>2.2065  |

# Details

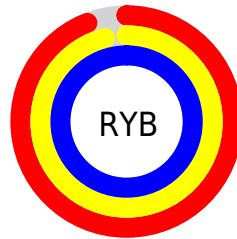
The XYZ color 88.4824, 94.7396, 108.2308 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.3181, 92.2507, 95.5383, and the grayscale version is 89.3398, 93.9924, 102.3577.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.4753, 53.2978, 61.1060 is the 20% darker color. If you saturate the color by 10%, you get 78.3435, 86.4221, 107.1597, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

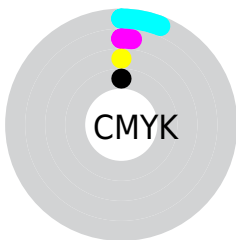
# Distribution



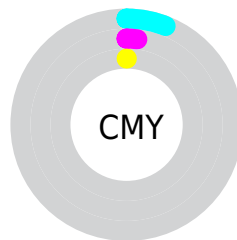
- Red (94%)
- Green (98%)
- Blue (100%)



- 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 88.4824, 94.7396, 108.2308 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 88.4824, 94.7396, 108.2308 by changing the saturation by 10% instead.



 88.4824, 94.7396,  
108.2308

 88.4824, 94.7396,  
108.2308


511.3935,  
543.3310, 607.7419

 67.0548, 71.9183,  
82.5369

144.1177,  
153.9048, 174.5732

 49.4000, 53.0919,  
61.2698


179.0560,  
191.0175, 216.0588

 35.1527, 37.8761,  
44.0110


219.2286,  
233.6627, 263.6454

 23.9476, 25.8866,  
30.3419

265.0009,  
282.2248, 317.7515

 15.4193, 16.7388,  
19.8440

316.7382,  
337.0884, 378.7957

 9.2024, 10.0484,  
12.0987

374.8058,

 4.9316, 5.4311,

398.6376, 447.1964

6.6876

439.5691,  
467.2571, 523.3723

■ 2.2415, 2.5024,  
3.1920

■ 0.7645, 0.8778,  
1.1935

■ 88.4824, 94.7396,  
108.2308

■ 88.4824, 94.7396,  
108.2308

■ 78.3435, 86.4221,  
107.1597

95.0500, 100.0000,  
108.9000

■ 69.4435, 78.8525,  
106.1677

■ 61.7301, 72.0053,  
105.2526

■ 55.1442, 65.8487,  
104.4114

■ 49.6215, 60.3484,  
103.6408

■ 45.0908, 55.4665,  
102.9373

■ 41.4716, 51.1602,  
102.2969

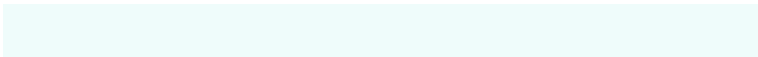
■ 38.6700, 47.3798,  
101.7148

■ 36.5696, 44.0639,  
101.1855

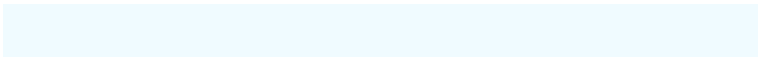
# Harmonies

## Analogous

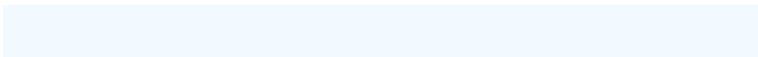
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8306, 94.7396, 105.2408



88.4824, 94.7396, 108.2308



89.5570, 94.7396, 109.8753

# Triad

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



88.4824, 94.7396, 108.2308



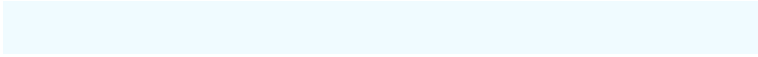
92.3640, 94.7396, 104.5681



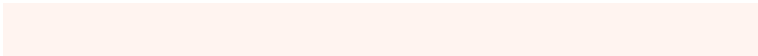
89.3258, 94.7396, 96.8859

# Complementary

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



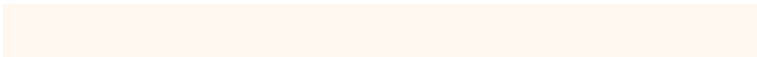
88.4824, 94.7396, 108.2308



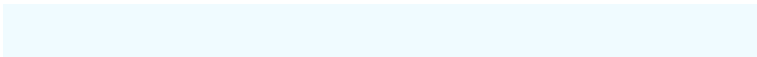
89.3181, 92.2507, 95.5383

# 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.



90.5391, 94.7396, 96.7151



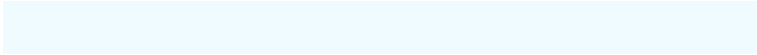
88.4824, 94.7396, 108.2308



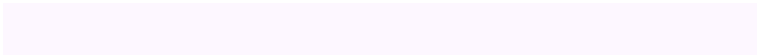
92.3007, 94.7396, 101.0976

# Square

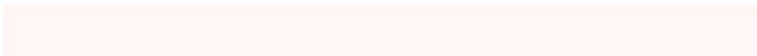
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



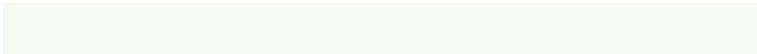
88.4824, 94.7396, 108.2308



91.8023, 94.7396, 107.7288



91.6302, 94.7396, 98.2410

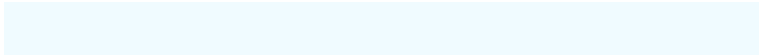


88.3145, 94.7396, 98.7131

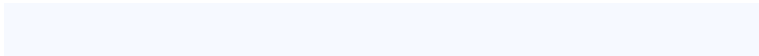


# Rectangle

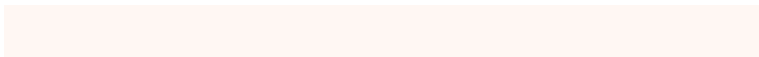
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.4824, 94.7396, 108.2308



90.3718, 94.7396, 109.9632



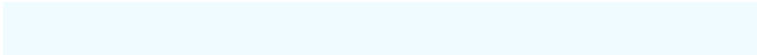
91.6302, 94.7396, 98.2410



89.7233, 94.7396, 96.6344

# Sweetspot

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



88.4848, 94.7435, 108.2314



92.7667, 98.1819, 108.6694



87.9873, 96.5622, 99.3913



19.8798, 21.0341, 23.2622



0.0000, 0.0000, 0.0000

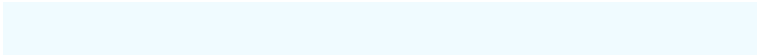


20.3446, 21.4041, 23.3091

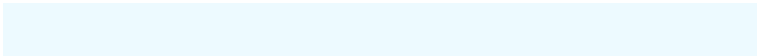


# Same Dimension

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



88.4848, 94.7435, 108.2314



87.2873, 93.7746, 108.1075



86.2619, 90.2976, 107.4904



18.5462, 19.9606, 23.1252



18.8556, 22.6207, 52.8070



1.9257, 2.3821, 5.1716



# Inverse Universe

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



89.8142, 90.5468, 104.0150



88.8616, 88.8328, 103.1078



91.5440, 96.7024, 96.2803



18.9112, 18.8183, 21.9651



26.3056, 13.0115, 26.0576



2.6066, 1.2850, 2.7759



# Previews

## White Background



This preview shows how the XYZ color 88.4824, 94.7396, 108.2308 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

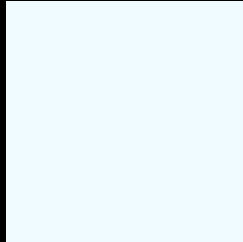
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.4824, 94.7396, 108.2308 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

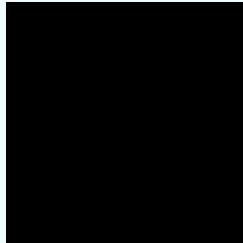
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

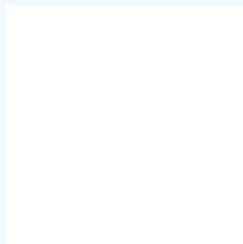
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.4824, 94.7396, 108.2308

## Background



This preview shows how black text looks on a background with the XYZ color 88.4824, 94.7396, 108.2308.



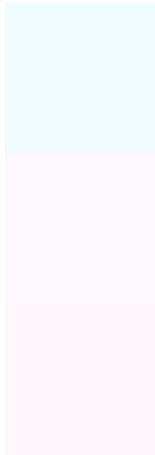
This preview shows how white text looks on a background with the XYZ color 88.4824, 94.7396,



# 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

88.4824, 94.7396, 108.2308

### Protanopia

91.4419, 94.9221, 106.4308

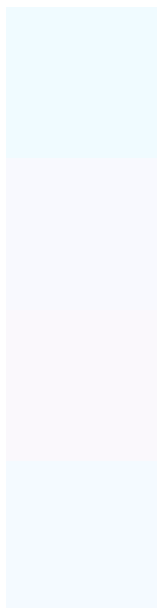
### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

90.2835, 94.7455, 108.1370

# Trichromacy



## Original Color

88.4824, 94.7396, 108.2308

## Protanomaly

90.4765, 94.8636, 107.3078

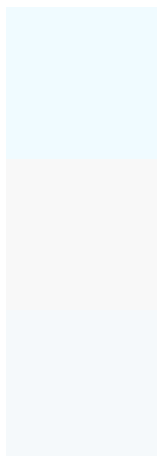
## Deuteranomaly

90.5624, 94.4871, 105.5601

## Tritanomaly

89.5438, 94.8243, 108.1912

# Monochromacy



## Original Color

88.4824, 94.7396, 108.2308

## 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 88.4824, 94.7396, 108.2308 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(240, 251, 255) looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.4824, 94.7396, 108.2308 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(240, 251, 255) }
```



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

```
.border{ border-color:rgb(240, 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(240, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.4824, 94.7396, 108.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 251, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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