

# Converting Colors

XYZ(83.3633, 89.7085,  
103.6645)

Have a look what the booklet for  
XYZ(83.3633, 89.7085, 103.6645)  
contains.

<b>XYZ(83.4898, 89.9695, 103.4079)</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(83.4898, 89.9695,  
103.4079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F6FA
RGB	232, 246, 250
RGB Percent	91%, 96%, 98%
CMY	0.0902, 0.0353, 0.0196
CMYK	0.07, 0.02, 0.00, 0.02
HSL	193°, 64%, 95%
HSV	193°, 7%, 98%
XYZ	83.4898, 89.9695, 103.4079
YIQ	242.2700, -9.6280, -1.7240

# Conversions

## Conversions Part 2

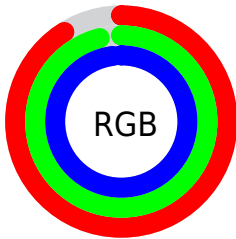
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 240, 250
Decimal	15267578
CIE Lab	95.98, -3.84, -3.51
CIE LCh	96, 5.203, 222.477
Yxy	89.9695, 0.3016, 0.3250
Android (android.graphics.Color)	4293457658 (0xFFE8F6FA)
YUV	242.2700, 3.8109, -9.0068
Hunter-Lab	94.8523, -8.8742, 1.7586

# Details

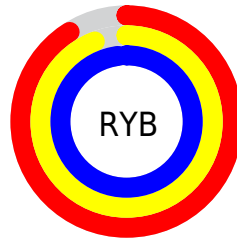
The XYZ color **83.4898, 89.9695, 103.4079** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9856, 86.1403, 88.5456**, and the grayscale version is **84.5903, 88.9956, 96.9162**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0556, 49.9521, 58.2533** is the 20% darker color. If you saturate the color by 10%, you get **74.2825, 82.7565, 102.5023**, and if you desaturate by 10%, it is **93.1666, 97.5043, 104.3536**.

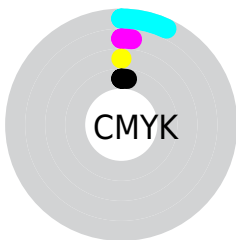
# Distribution



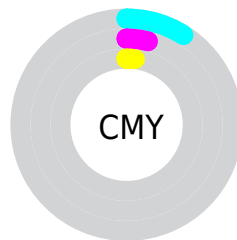
- Red (91%)
- Green (96%)
- Blue (98%)



- Red (91%)
- Yellow (94%)
- Blue (98%)



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (4%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4898, 89.9695, 103.4079 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 83.4898, 89.9695, 103.4079 by changing the saturation by 10% instead.



83.4898, 89.9695,  
103.4079

83.4898, 89.9695,  
103.4079

495.1767,  
527.9316, 592.4041

62.9126, 67.9553,  
78.5170

137.1862,  
147.2960, 167.9252

46.0289, 49.8614,  
57.9798

171.0361,  
183.3772, 208.3886

32.4733, 35.3033,  
41.3778

210.0410,  
224.9161, 254.8799

21.8806, 23.8966,  
28.2925

254.5661,  
272.2973, 307.8177

13.8853, 15.2569,  
18.3053

304.9769,  
325.9050, 367.6204

8.1221, 8.9999,  
10.9977

361.6387,

4.2256, 4.7411,

386.1237, 434.7067

5.9511

424.9168,  
453.3378, 509.4951

■ 1.8306, 2.0962,  
2.7471

■ 0.5360, 0.6625,  
0.9670

■ 83.4898, 89.9695,  
103.4079

■ 83.4898, 89.9695,  
103.4079

■ 74.2825, 82.7565,  
102.5023

■ 93.1666, 97.5043,  
104.3536

■ 66.2286, 76.2099,  
101.6632

■ 94.2556, 99.6822,  
104.7166

■ 59.2781, 70.3058,  
100.8899

■ 53.3747, 65.0144,  
100.1797

■ 48.4566, 60.3031,  
99.5296

■ 44.4553, 56.1361,  
98.9361

■ 41.2932, 52.4726,  
98.3957

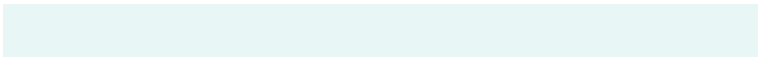
■ 38.8790, 49.2649,  
97.9038

■ 37.0953, 46.4516,  
97.4548

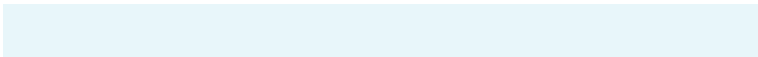
# Harmonies

## Analogous

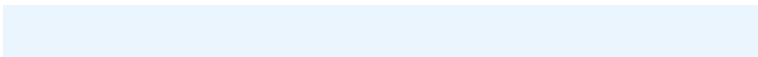
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8414, 89.9695, 99.6826



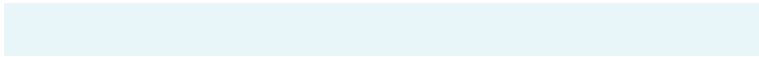
83.4898, 89.9695, 103.4079



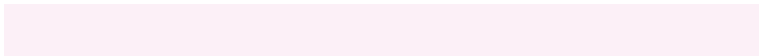
84.6834, 89.9695, 105.7099

# Triad

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



83.4898, 89.9695, 103.4079



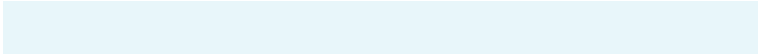
88.1777, 89.9695, 100.3655



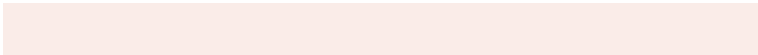
84.9172, 89.9695, 90.4301

# Complementary

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



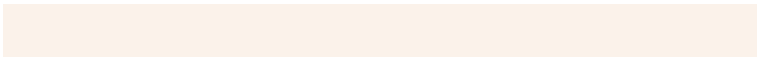
83.4898, 89.9695, 103.4079



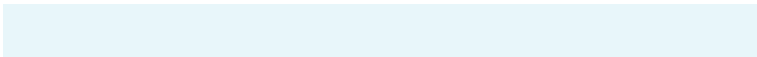
83.9856, 86.1403, 88.5456

# Split Complementary

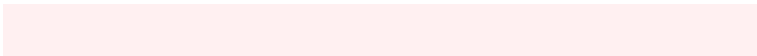
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3487, 89.9695, 90.6013



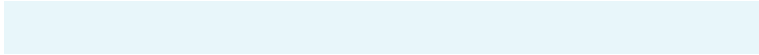
83.4898, 89.9695, 103.4079



88.2420, 89.9695, 96.2603

# Square

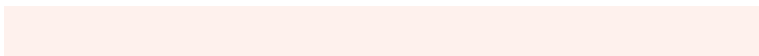
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4898, 89.9695, 103.4079



87.3945, 89.9695, 103.9199



87.5693, 89.9695, 92.7098

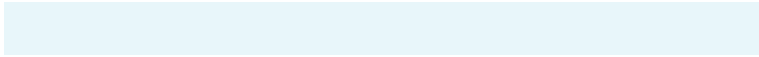


83.6593, 89.9695, 92.2353

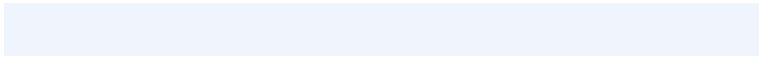


# Rectangle

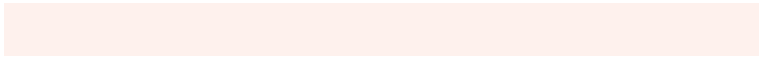
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4898, 89.9695, 103.4079



85.6329, 89.9695, 106.0892



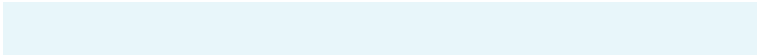
87.5693, 89.9695, 92.7098



85.3938, 89.9695, 90.2598

# Sweetspot

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



83.4924, 89.9733, 103.4099



92.8384, 98.3252, 108.6933



82.5915, 91.5788, 92.6056



19.8944, 21.0633, 23.2670



0.0000, 0.0000, 0.0000

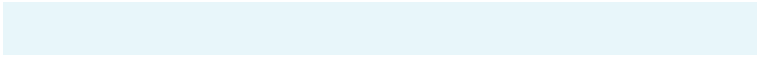


20.3446, 21.4041, 23.3091

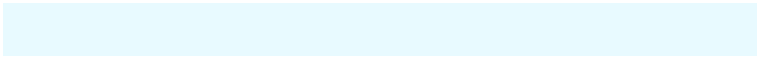


# Same Dimension

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



83.4924, 89.9733, 103.4099



85.5010, 92.6963, 107.9935



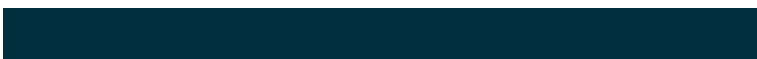
80.8486, 84.6857, 102.5286



17.4198, 18.9164, 22.1184



19.5566, 24.4687, 51.6658



1.8889, 2.4215, 4.8110



# Inverse Universe

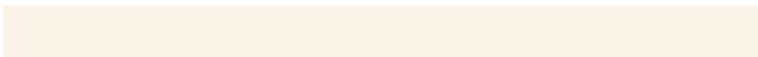
The Inverse Universe completely reimagines the original color for something new.



84.9175, 84.6928, 99.0650



87.3511, 85.8975, 102.3404



86.6134, 91.3960, 89.4215



17.8184, 17.4547, 20.8996



26.1633, 12.8810, 28.6320

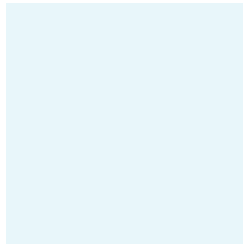


2.4624, 1.2087, 2.8582



# Previews

## White Background



This preview shows how the XYZ color 83.4898, 89.9695, 103.4079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

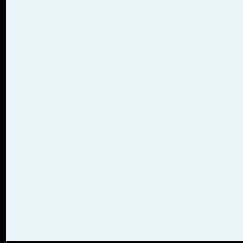
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.4898, 89.9695, 103.4079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

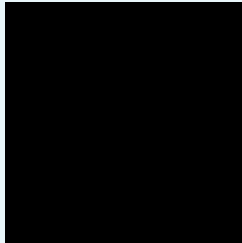
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

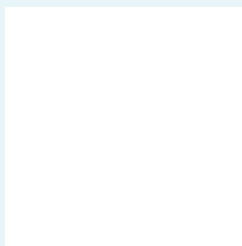
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.4898, 89.9695, 103.4079**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.4898, 89.9695, 103.4079.



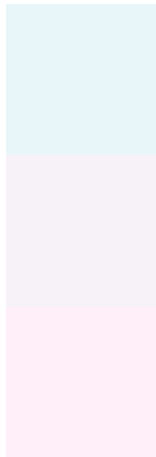
This preview shows how white text looks on a background with the XYZ color 83.4898, 89.9695,



# 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

83.4898, 89.9695, 103.4079

### Protanopia

86.7014, 89.8744, 101.5848

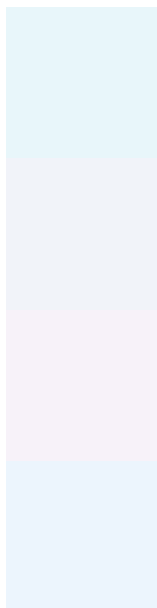
### Deuteranopia

89.2054, 89.8326, 102.2603

## **Tritanopia**

85.6606, 90.0985, 107.4837

# Trichromacy



## Original Color

83.4898, 89.9695, 103.4079

## Protanomaly

85.4251, 89.6415, 102.4227

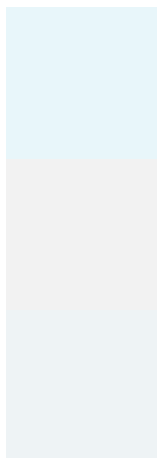
## Deuteranomaly

87.2088, 90.1180, 102.4206

## Tritanomaly

84.9741, 90.2295, 105.8659

# Monochromacy



## Original Color

83.4898, 89.9695, 103.4079

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.7919, 88.8709, 99.1237

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.4898, 89.9695, 103.4079 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(232, 246, 250)` looks like.

```
.text, #text, p{  
    color:rgb(232, 246, 250)  
}
```

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(232, 246, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 246, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 83.4898, 89.9695, 103.4079 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(232, 246, 250) }
```



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

```
.border{ border-color:rgb(232, 246, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 246, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 246, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 246, 250);  
box-shadow:4px 4px 4px 4px rgb(232, 246,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.4898, 89.9695, 103.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 246, 250) }
```

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

```
.background{ background-color: rgb(232,  
246, 250) }
```

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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