

# Converting Colors

XYZ(83.9236, 88.2172,  
102.9647)

Have a look what the booklet for  
XYZ(83.9236, 88.2172, 102.9647)  
contains.

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# **Color**

**XYZ(83.9325, 88.4109,  
103.0838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF2FA
RGB	237, 242, 250
RGB Percent	93%, 95%, 98%
CMY	0.0706, 0.0510, 0.0196
CMYK	0.05, 0.03, 0.00, 0.02
HSL	217°, 57%, 95%
HSV	217°, 5%, 98%
XYZ	83.9325, 88.4109, 103.0838
YIQ	241.4170, -5.5480, 1.4280

# Conversions

## Conversions Part 2

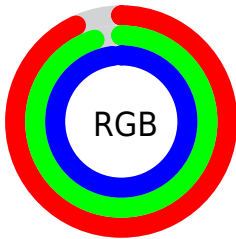
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 241, 250
Decimal	15594234
CIE Lab	95.33, -0.19, -4.43
CIE LCh	95, 4.434, 267.553
Yxy	88.4109, 0.3047, 0.3210
Android (android.graphics.Color)	4293784314 (0xFFEDF2FA)
YUV	241.4170, 4.2314, -3.8737
Hunter-Lab	94.0271, -5.2108, 0.8181

# Details

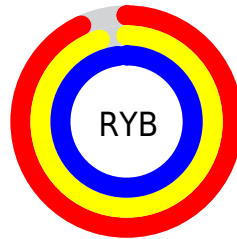
The XYZ color **83.9325, 88.4109, 103.0838** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3631, 91.7424, 93.2257**, and the grayscale version is **83.9106, 88.2805, 96.1374**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3526, 48.8366, 58.0223** is the 20% darker color. If you saturate the color by 10%, you get **71.7749, 75.6345, 101.2598**, and if you desaturate by 10%, it is **94.2556, 99.6822, 104.7167**.

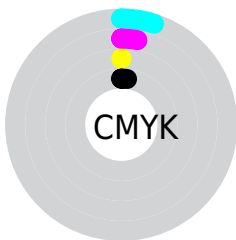
# Distribution



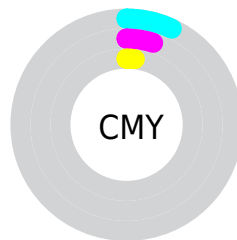
- Red (93%)
- Green (95%)
- Blue (98%)



- Red (93%)
- Yellow (95%)
- Blue (98%)



- Cyan (5%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (7%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9325, 88.4109, 103.0838 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 83.9325, 88.4109, 103.0838 by changing the saturation by 10% instead.



83.9325, 88.4109,  
103.0838

83.9325, 88.4109,  
103.0838

496.6261,  
522.8479, 591.3659

63.2792, 66.6634,  
78.2472

137.8025,  
145.1291, 167.4773

46.3266, 48.8111,  
57.7595

171.7499,  
180.8686, 207.8714

32.7094, 34.4697,  
41.2019

210.8595,  
222.0408, 254.2884

22.0621, 23.2547,  
28.1560

255.4965,  
269.0303, 307.1468

14.0194, 14.7817,  
18.2032

306.0263,  
322.2214, 366.8652

8.2159, 8.6663,  
10.9250

362.8142,

4.2864, 4.5242,

381.9984, 433.8622

5.9029

426.2257,  
448.7458, 508.5563

■ 1.8654, 1.9709,  
2.7183

■ 0.5566, 0.5905,  
0.9526

■ 83.9325, 88.4109,  
103.0838

■ 83.9325, 88.4109,  
103.0838

■ 71.7749, 75.6345,  
101.2598

■ 94.2556, 99.6822,  
104.7167

■ 61.1061, 64.1804,  
99.6113

■ 51.8675, 54.0064,  
98.1344

■ 43.9938, 45.0637,  
96.8233

■ 37.4143, 37.3000,  
95.6715

■ 32.0512, 30.6585,  
94.6723

■ 27.8176, 25.0772,  
93.8181

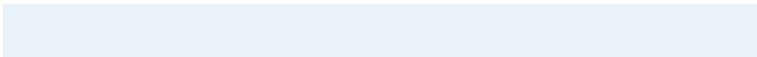
■ 24.6137, 20.4858,  
93.1007

■ 22.3182, 16.8023,  
92.5107

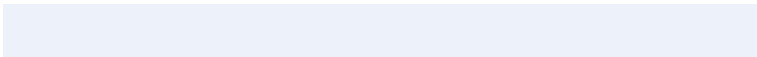
# Harmonies

## Analogous

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



82.7885, 88.4109, 102.0040



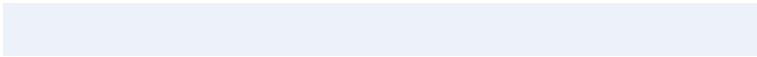
83.9325, 88.4109, 103.0838



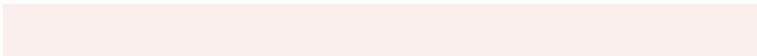
85.1139, 88.4109, 102.3003

# Triad

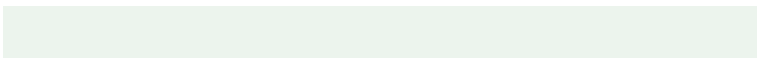
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9325, 88.4109, 103.0838



86.1138, 88.4109, 93.2117



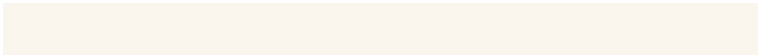
82.0817, 88.4109, 92.7298

# Complementary

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



83.9325, 88.4109, 103.0838



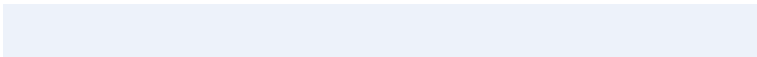
87.3631, 91.7424, 93.2257

# Split Complementary

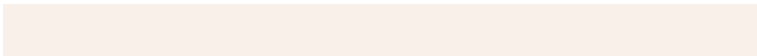
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9591, 88.4109, 90.4708



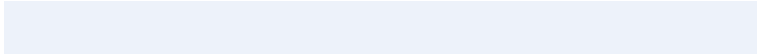
83.9325, 88.4109, 103.0838



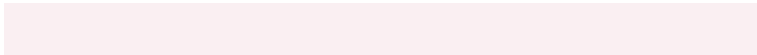
85.2877, 88.4109, 90.7443

# Square

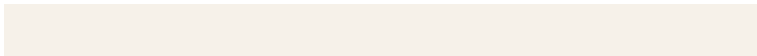
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



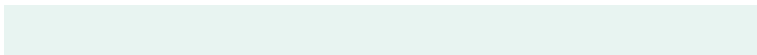
83.9325, 88.4109, 103.0838



86.3805, 88.4109, 96.5495



84.1314, 88.4109, 89.7527

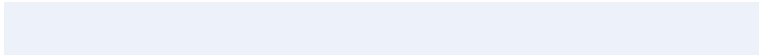


81.7263, 88.4109, 95.9799



# Rectangle

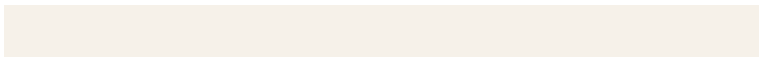
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



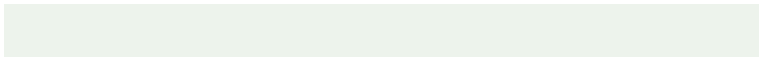
83.9325, 88.4109, 103.0838



85.7623, 88.4109, 100.8369



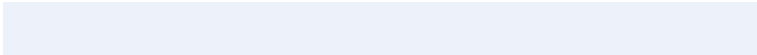
84.1314, 88.4109, 89.7527



82.3249, 88.4109, 91.8323

# Sweetspot

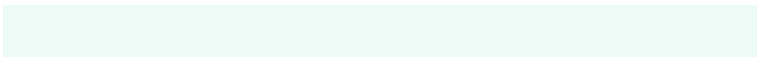
The Sweet Spot groups the original color and five complimentary colors.



83.9350, 88.4147, 103.0857



92.2059, 97.0603, 108.4825



85.5630, 92.9576, 99.6606



19.7657, 20.8058, 23.2241



0.0000, 0.0000, 0.0000

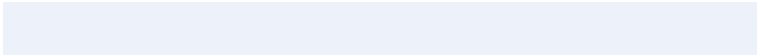


20.3446, 21.4041, 23.3091



# Same Dimension

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



83.9350, 88.4147, 103.0857



86.7143, 91.3546, 107.6706



82.9016, 85.7011, 102.6164



17.5929, 18.5361, 22.0359



11.5112, 8.3779, 48.9839

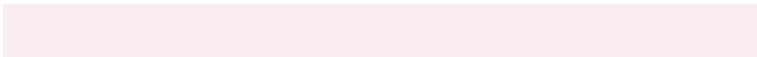


1.1653, 0.9742, 4.5698



# Inverse Universe

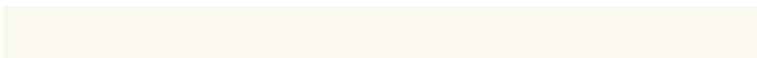
The Inverse Universe completely reimagines the original color for something new.



85.7375, 87.3049, 96.3415



88.8834, 90.0323, 99.5517



88.4331, 94.5718, 93.7154



18.0831, 18.2396, 20.2003



22.1023, 11.2567, 7.2473

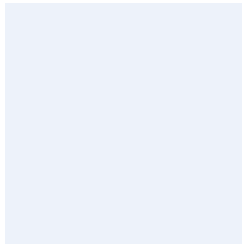


2.0971, 1.0626, 0.9347



# Previews

## White Background



This preview shows how the XYZ color 83.9325, 88.4109, 103.0838 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

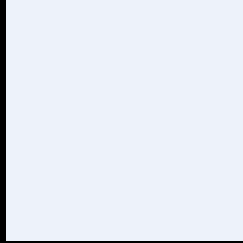
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9325, 88.4109, 103.0838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

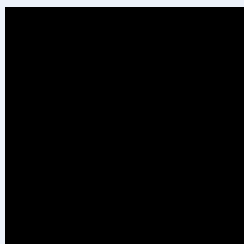
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

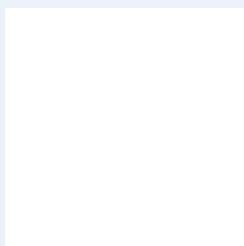
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 83.9325, 88.4109, 103.0838**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.9325, 88.4109, 103.0838.



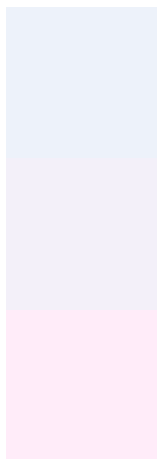
This preview shows how white text looks on a background with the XYZ color 83.9325, 88.4109,

103.0838.

# 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

83.9325, 88.4109, 103.0838

### Protanopia

85.2211, 88.2144, 102.1580

### Deuteranopia

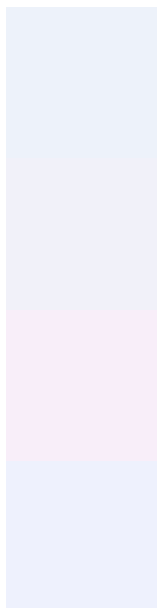
88.3343, 88.0905, 101.9700



## Tritanopia

85.1019, 88.4813, 107.2010

# Trichromacy



## Original Color

83.9325, 88.4109, 103.0838

## Protanomaly

84.8298, 88.4509, 102.2243

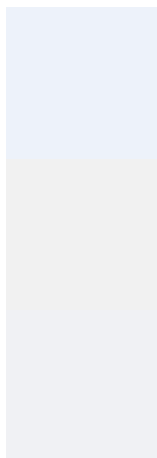
## Deuteranomaly

86.3848, 87.9451, 102.0447

## Tritanomaly

84.4448, 88.1796, 105.4981

# Monochromacy



## Original Color

83.9325, 88.4109, 103.0838

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.7196, 87.9675, 98.1549

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9325, 88.4109, 103.0838 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(237, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 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(237, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 242, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9325, 88.4109, 103.0838 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(237, 242, 250) }
```



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

```
.border{ border-color:rgb(237, 242, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 242, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(237, 242,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9325, 88.4109, 103.0838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 250) }
```

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

```
.background{ background-color: rgb(237,  
242, 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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