

# Converting Colors

XYZ(83.8056, 88.7066,  
100.0327)

Have a look what the booklet for  
XYZ(83.8056, 88.7066, 100.0327)  
contains.

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# Color

**XYZ(83.9450, 88.9321,  
99.9300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEF3F6
RGB	238, 243, 246
RGB Percent	93%, 95%, 96%
CMY	0.0667, 0.0470, 0.0353
CMYK	0.03, 0.01, 0.00, 0.04
HSL	202°, 31%, 95%
HSV	202°, 3%, 96%
XYZ	83.9450, 88.9321, 99.9300
YIQ	241.8470, -3.9430, -0.1270

# Conversions

## Conversions Part 2

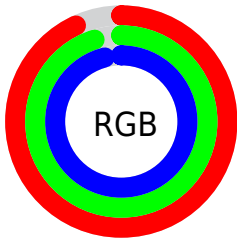
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 241, 246
Decimal	15660022
CIE Lab	95.55, -1.11, -2.03
CIE LCh	96, 2.312, 241.399
Yxy	88.9321, 0.3077, 0.3260
Android (android.graphics.Color)	4293850102 (0xFFEEF3F6)
YUV	241.8470, 2.0474, -3.3738
Hunter-Lab	94.3038, -6.1390, 3.1854

# Details

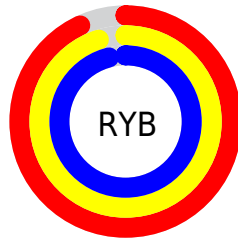
The XYZ color **83.9450, 88.9321, 99.9300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.8941, 88.6755, 93.5319**, and the grayscale version is **84.2658, 88.6542, 96.5444**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3560, 49.2034, 55.7692** is the 20% darker color. If you saturate the color by 10%, you get **73.5558, 79.5878, 98.6753**, and if you desaturate by 10%, it is **92.7539, 97.6721, 101.1541**.

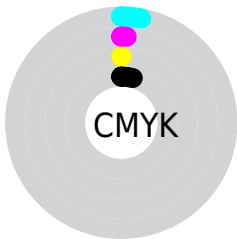
# Distribution



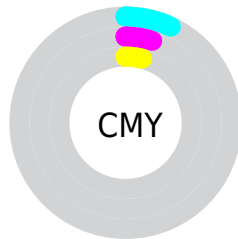
- Red (93%)
- Green (95%)
- Blue (96%)



- Red (93%)
- Yellow (95%)
- Blue (96%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.9450, 88.9321, 99.9300 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 83.9450, 88.9321, 99.9300 by changing the saturation by 10% instead.



83.9450, 88.9321,  
99.9300

83.9450, 88.9321,  
99.9300

496.6670,  
524.5509, 581.2130

63.2896, 67.0953,  
75.6255

137.8199,  
145.8541, 163.1120

46.3350, 49.1621,  
55.6207

171.7701,  
181.7081, 202.8266

32.7160, 34.7481,  
39.4969

210.8826,  
223.0033, 248.5151

22.0672, 23.4689,  
26.8357

255.5227,  
270.1241, 300.5958

14.0232, 14.9401,  
17.2185

306.0559,  
323.4549, 359.4874

8.2186, 8.7774,  
10.2268

362.8474,

4.2881, 4.5962,

383.3800, 425.6085

5.4420

426.2627,  
450.2838, 499.3775

■ 1.8664, 2.0124,  
2.4456

■ 0.5572, 0.6146,  
0.8111

■ 83.9450, 88.9321,  
99.9300

■ 83.9450, 88.9321,  
99.9300

■ 73.5558, 79.5878,  
98.6753

■ 92.7539, 97.6721,  
101.1541

■ 64.3835, 71.0707,  
97.5148

■ 93.6348, 99.4339,  
101.4477

■ 56.3801, 63.3556,  
96.4474

■ 49.4912, 56.4114,  
95.4701

■ 43.6579, 50.2043,  
94.5795

■ 38.8154, 44.6979,  
93.7719

■ 34.8911, 39.8512,  
93.0432

■ 31.8014, 35.6177,  
92.3889

■ 29.4450, 31.9418,  
91.8036

# Harmonies

## Analogous

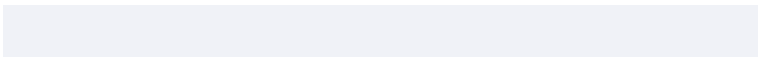
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4909, 88.9321, 98.6625



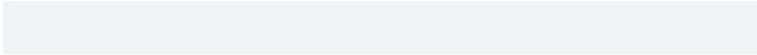
83.9450, 88.9321, 99.9300



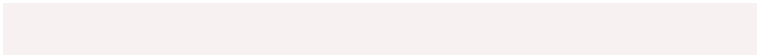
84.5571, 88.9321, 100.3647

# Triad

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



83.9450, 88.9321, 99.9300



85.7520, 88.9321, 96.7467



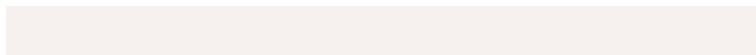
83.8937, 88.9321, 93.8821

# Complementary

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



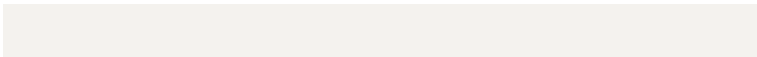
83.9450, 88.9321, 99.9300



84.8941, 88.6755, 93.5319

# Split Complementary

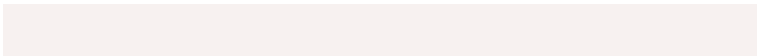
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.4975, 88.9321, 93.3831



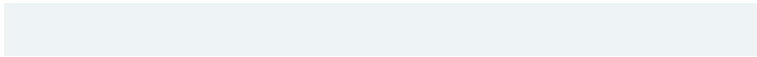
83.9450, 88.9321, 99.9300



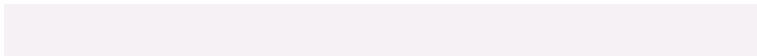
85.5722, 88.9321, 95.0242

# Square

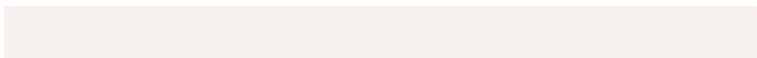
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



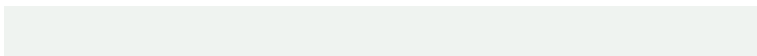
83.9450, 88.9321, 99.9300



85.6022, 88.9321, 98.5131



85.1123, 88.9321, 93.7986



83.4614, 88.9321, 95.1700

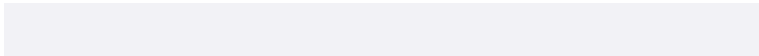


# Rectangle

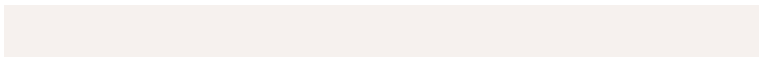
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9450, 88.9321, 99.9300



84.9729, 88.9321, 100.1194



85.1123, 88.9321, 93.7986



84.0832, 88.9321, 93.6172

# Sweetspot

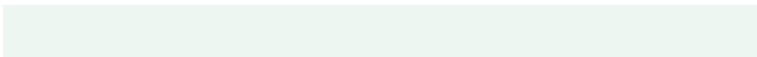
The Sweet Spot groups the original color and five complimentary colors.



83.9475, 88.9359, 99.9319



93.8141, 98.9118, 108.7551



84.0842, 90.4370, 96.1926



20.0931, 21.1827, 23.2796



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

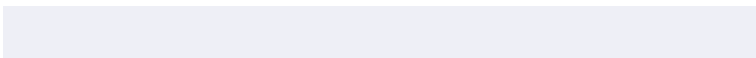
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9475, 88.9359, 99.9319



90.1899, 95.7034, 108.3268



82.7818, 86.6044, 99.5434



17.5069, 18.6062, 21.2112



15.1745, 16.1429, 48.8541



1.4322, 1.6158, 4.3266



# Inverse Universe

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



84.7602, 87.2146, 97.1652



91.2729, 93.4203, 104.6369



86.0722, 91.0318, 93.9246



17.7572, 18.0810, 20.3578



23.4639, 11.7290, 17.6832

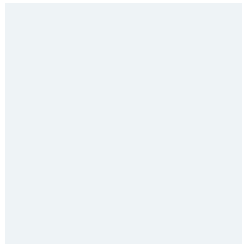


2.1120, 1.0507, 1.8159



# Previews

## White Background



This preview shows how the XYZ color 83.9450, 88.9321, 99.9300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

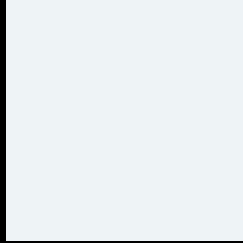
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.9450, 88.9321, 99.9300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

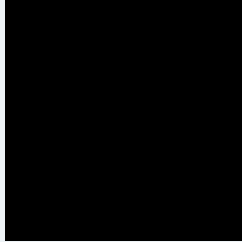
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

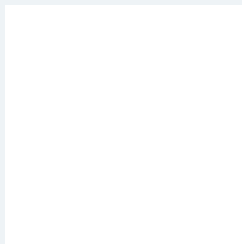
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.9450, 88.9321, 99.9300

## Background



This preview shows how black text looks on a background with the XYZ color 83.9450, 88.9321, 99.9300.



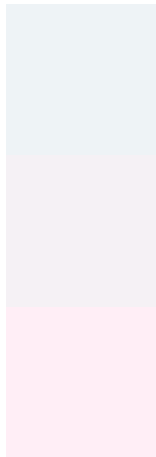
This preview shows how white text looks on a background with the XYZ color 83.9450, 88.9321, 99.9300.

99.9300.

# 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

83.9450, 88.9321, 99.9300

### Protanopia

85.5929, 88.9156, 99.0374

### Deuteranopia

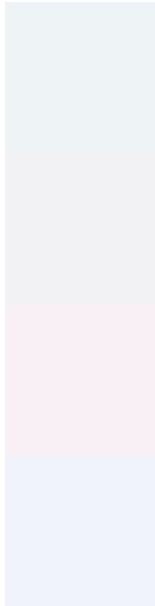
88.4491, 89.0629, 99.7179



## Tritanopia

85.7809, 88.8314, 107.2328

# Trichromacy



## Original Color

83.9450, 88.9321, 99.9300

## Protanomaly

84.8515, 88.9741, 99.0878

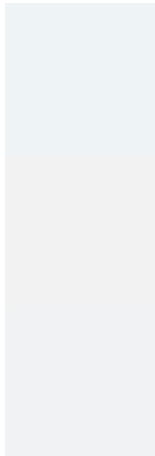
## Deuteranomaly

86.8616, 89.1137, 99.8114

## Tritanomaly

85.2580, 89.0578, 104.7918

# Monochromacy



## Original Color

83.9450, 88.9321, 99.9300

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.2054, 88.6761, 97.4721

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.9450, 88.9321, 99.9300 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(238, 243, 246) looks like.

```
.text, #text, p{  
    color:rgb(238, 243, 246)  
}
```

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(238, 243, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 243, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 83.9450, 88.9321, 99.9300 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(238, 243, 246) }
```



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

```
.border{ border-color:rgb(238, 243, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 243, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 243, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 243, 246);  
box-shadow:4px 4px 4px 4px rgb(238, 243,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.9450, 88.9321, 99.9300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 243, 246) }
```

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

```
.background{ background-color: rgb(238,  
243, 246) }
```

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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