

# Converting Colors

XYZ(84.9284, 89.5549, 99.2984)

Have a look what the booklet for  
XYZ(84.9284, 89.5549, 99.2984)  
contains.

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# **Color**

**XYZ(84.8077, 89.3945,  
99.1712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F3F5
RGB	241, 243, 245
RGB Percent	95%, 95%, 96%
CMY	0.0549, 0.0470, 0.0392
CMYK	0.02, 0.01, 0.00, 0.04
HSL	210°, 17%, 95%
HSV	210°, 2%, 96%
XYZ	84.8077, 89.3945, 99.1712
YIQ	242.6300, -1.8340, 0.1980

# Conversions

## Conversions Part 2

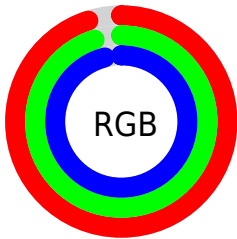
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 242, 245
Decimal	15856629
CIE Lab	95.75, -0.30, -1.20
CIE LCh	96, 1.241, 255.969
Yxy	89.3945, 0.3102, 0.3270
Android (android.graphics.Color)	4294046709 (0xFFFF1F3F5)
YUV	242.6300, 1.1684, -1.4295
Hunter-Lab	94.5487, -5.3503, 3.9953

# Details

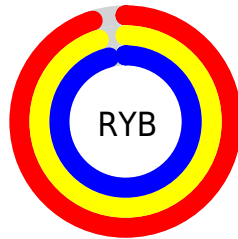
The XYZ color **84.8077, 89.3945, 99.1712** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.5842, 89.8637, 96.0553**, and the grayscale version is **84.8917, 89.3126, 97.2615**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9632, 49.5291, 55.2290** is the 20% darker color. If you saturate the color by 10%, you get **73.4631, 78.2962, 97.6283**, and if you desaturate by 10%, it is **93.4817, 99.3727, 100.6414**.

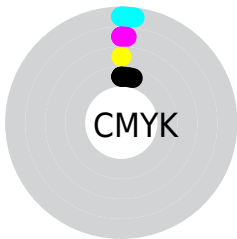
# Distribution



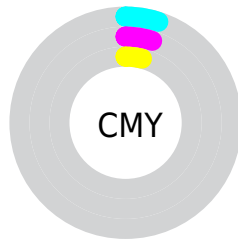
- Red (95%)
- Green (95%)
- Blue (96%)



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



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8077, 89.3945, 99.1712 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 84.8077, 89.3945, 99.1712 by changing the saturation by 10% instead.



84.8077, 89.3945,  
99.1712

84.8077, 89.3945,  
99.1712

499.4848,  
526.0592, 578.7561

64.0045, 67.4786,  
74.9955

139.0199,  
146.4970, 162.0597

46.9160, 49.4736,  
55.1075

173.1595,  
182.4524, 201.6096

33.1769, 34.9953,  
39.0886

212.4754,  
223.8564, 247.1213

22.4219, 23.6593,  
26.5203

257.3328,  
271.0934, 299.0134

14.2856, 15.0811,  
16.9841

308.0970,  
324.5478, 357.7044

8.4026, 8.8763,  
10.0613

365.1336,

4.4076, 4.6606,

384.6039, 423.6128

5.3335

428.8077,  
451.6463, 497.1572

■ 1.9352, 2.0495,  
2.3821

■ 0.5972, 0.6360,  
0.7767

■ 84.8077, 89.3945,  
99.1712

■ 84.8077, 89.3945,  
99.1712

■ 73.4631, 78.2962,  
97.6283

■ 93.4817, 99.3727,  
100.6414

■ 63.4351, 68.2290,  
96.2136

■ 54.6739, 59.1623,  
94.9254

■ 47.1233, 51.0599,  
93.7594

■ 40.7228, 43.8828,  
92.7114

■ 35.4061, 37.5889,  
91.7768

■ 31.0995, 32.1320,  
90.9505

■ 27.7186, 27.4599,  
90.2269

■ 25.1632, 23.5121,  
89.5996

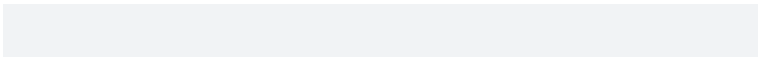
# Harmonies

## Analogous

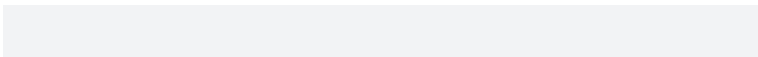
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5112, 89.3945, 98.6937



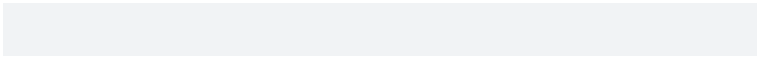
84.8077, 89.3945, 99.1712



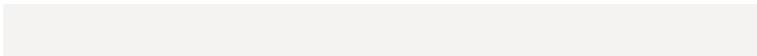
85.1476, 89.3945, 99.1545

# Triad

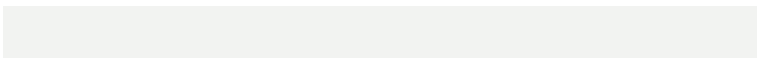
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8077, 89.3945, 99.1712



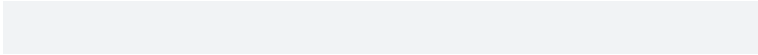
85.5996, 89.3945, 96.8190



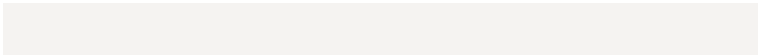
84.4956, 89.3945, 96.0342

# Complementary

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



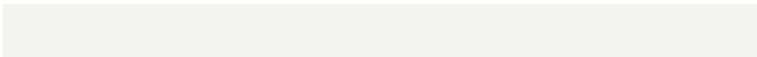
84.8077, 89.3945, 99.1712



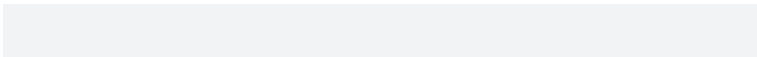
85.5842, 89.8637, 96.0553

# Split Complementary

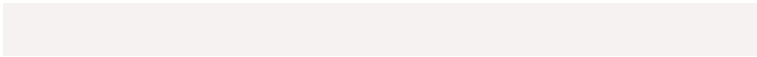
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7863, 89.3945, 95.5387



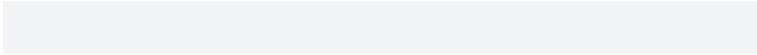
84.8077, 89.3945, 99.1712



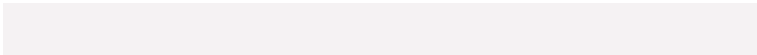
85.4240, 89.3945, 95.9897

# Square

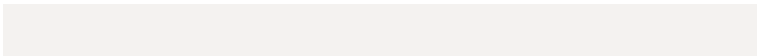
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



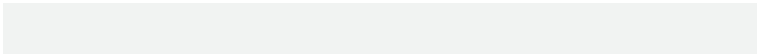
84.8077, 89.3945, 99.1712



85.6054, 89.3945, 97.7920



85.1261, 89.3945, 95.5224

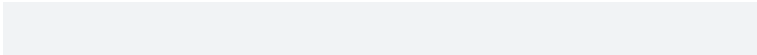


84.3314, 89.3945, 96.8802

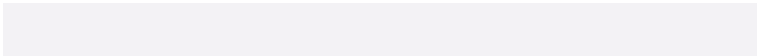


# Rectangle

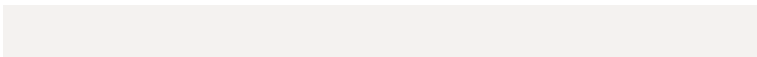
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



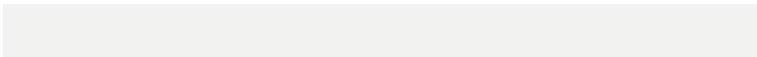
84.8077, 89.3945, 99.1712



85.3530, 89.3945, 98.8653



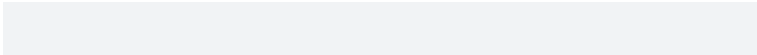
85.1261, 89.3945, 95.5224



84.5817, 89.3945, 95.8214

# Sweetspot

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



84.8102, 89.3983, 99.1732

95.0500, 100.0000, 108.9000



85.0971, 90.4741, 97.7208



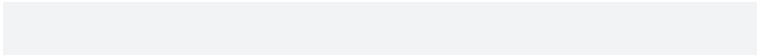
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

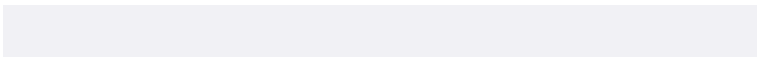
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8102, 89.3983, 99.1732



92.3919, 97.4324, 108.5445



84.2336, 88.2450, 98.9809



18.1358, 19.1228, 21.2778



12.8154, 11.4246, 48.0677

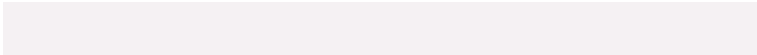


1.2291, 1.2097, 4.2589



# Inverse Universe

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



85.2911, 88.7959, 97.4425



93.0374, 96.6262, 106.2210



86.1670, 91.0293, 96.2495



18.2556, 18.9731, 20.8465



22.2731, 11.2527, 11.4126

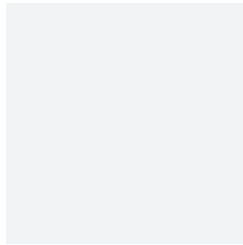


2.0095, 1.0098, 1.2762



# Previews

## White Background



This preview shows how the XYZ color 84.8077, 89.3945, 99.1712 looks on a white background.

## Color Contrast Check

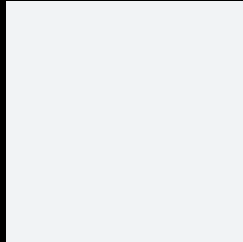
Large Text (above 18pt) WCAG AA × Fail

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 84.8077, 89.3945, 99.1712 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](#).

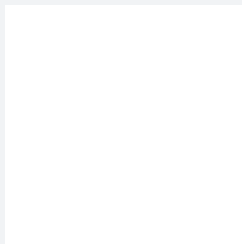


# XYZ 84.8077, 89.3945, 99.1712

## Background



This preview shows how black text looks on a background with the XYZ color 84.8077, 89.3945, 99.1712.



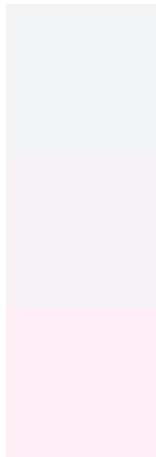
This preview shows how white text looks on a background with the XYZ color 84.8077, 89.3945,

99.1 12.

# 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

84.8077, 89.3945, 99.1712

### Protanopia

85.7905, 89.0351, 98.2518

### Deuteranopia

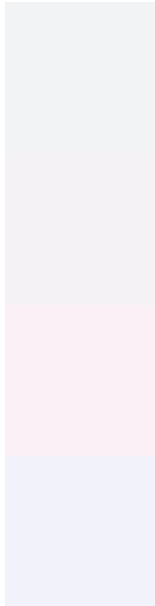
88.2960, 89.0016, 98.9115



## Tritanopia

86.4674, 89.1853, 107.2649

# Trichromacy



## Original Color

84.8077, 89.3945, 99.1712

## Protanomaly

85.3895, 89.2690, 98.3181

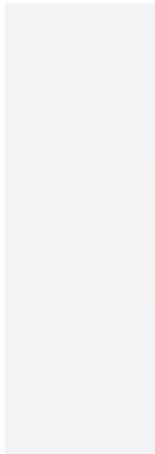
## Deuteranomaly

87.0659, 89.2367, 99.0218

## Tritanomaly

85.7827, 89.3465, 103.9912

# Monochromacy



## Original Color

84.8077, 89.3945, 99.1712

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.9977, 89.5101, 98.3853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8077, 89.3945, 99.1712 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, 243, 245) looks like.

```
.text, #text, p{  
    color:rgb(241, 243, 245)  
}
```

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, 243, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 243, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8077, 89.3945, 99.1712 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, 243, 245) }
```

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

```
.border{ border-color:rgb(241, 243, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 243, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 243, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 243, 245);  
box-shadow:4px 4px 4px 4px rgb(241, 243,  
245) }
```



# Background

The CSS property to change the background color of an element to XYZ 84.8077, 89.3945, 99.1712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 243, 245) }
```

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

```
.background{ background-color: rgb(241,  
243, 245) }
```

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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