

# Converting Colors

XYZ(84.5964, 88.8145, 99.6865)

Have a look what the booklet for  
XYZ(84.5964, 88.8145, 99.6865)  
contains.

<b>XYZ(84.6623, 88.8589, 99.8781)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.6623, 88.8589,  
99.8781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F2F6
RGB	241, 242, 246
RGB Percent	95%, 95%, 96%
CMY	0.0549, 0.0510, 0.0353
CMYK	0.02, 0.02, 0.00, 0.04
HSL	228°, 22%, 95%
HSV	228°, 2%, 96%
XYZ	84.6623, 88.8589, 99.8781
YIQ	242.1570, -1.8800, 1.0320

# Conversions

## Conversions Part 2

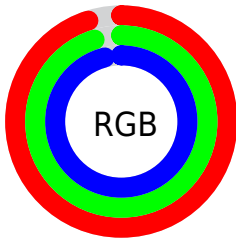
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 242, 246
Decimal	15856374
CIE Lab	95.52, 0.39, -2.05
CIE LCh	96, 2.085, 280.719
Yxy	88.8589, 0.3097, 0.3250
Android (android.graphics.Color)	4294046454 (0xFFFF1F2F6)
YUV	242.1570, 1.8946, -1.0147
Hunter-Lab	94.2650, -4.6474, 3.1650

# Details

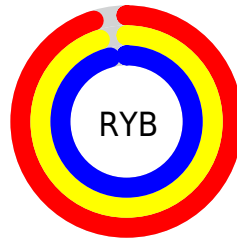
The XYZ color **84.6623, 88.8589, 99.8781** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.5357, 91.2474, 96.2719**, and the grayscale version is **84.5111, 88.9123, 96.8255**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8608, 49.1498, 55.7322** is the 20% darker color. If you saturate the color by 10%, you get **71.2859, 73.7409, 97.6664**, and if you desaturate by 10%, it is **93.6348, 99.4339, 101.4477**.

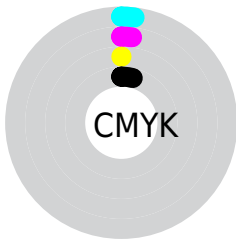
# Distribution



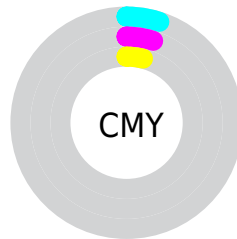
- Red (95%)
- Green (95%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6623, 88.8589, 99.8781 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 84.6623, 88.8589, 99.8781 by changing the saturation by 10% instead.



84.6623, 88.8589,  
99.8781

84.6623, 88.8589,  
99.8781

499.0105,  
524.3119, 581.0451

63.8839, 67.0346,  
75.5824

138.8177,  
145.7523, 163.0401

46.8180, 49.1128,  
55.5856

172.9255,  
181.5903, 202.7434

33.0992, 34.7089,  
39.4690

212.2071,  
222.8682, 248.4198

22.3620, 23.4388,  
26.8141

257.0280,  
269.9706, 300.4877

14.2412, 14.9178,  
17.2025

307.7534,  
323.2817, 359.3656

8.3715, 8.7617,  
10.2155

364.7487,

4.3873, 4.5861,

383.1861, 425.4721

5.4346

428.3793,  
450.0680, 499.2258

■ 1.9235, 2.0065,  
2.4413

■ 0.5904, 0.6113,  
0.8088

■ 84.6623, 88.8589,  
99.8781

■ 84.6623, 88.8589,  
99.8781

■ 71.2859, 73.7409,  
97.6664

■ 93.6348, 99.4339,  
101.4477

■ 59.6049, 60.3988,  
95.7068

■ 49.5530, 48.7699,  
93.9919

■ 41.0563, 38.7836,  
92.5122

■ 34.0354, 30.3642,  
91.2572

■ 28.4036, 23.4300,  
90.2155

■ 24.0647, 17.8914,  
89.3752

■ 20.9096, 13.6487,  
88.7225

■ 18.8097, 10.5874,  
88.2423

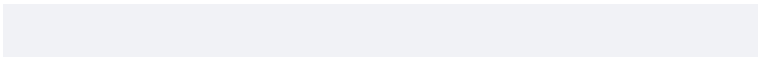
# Harmonies

## Analogous

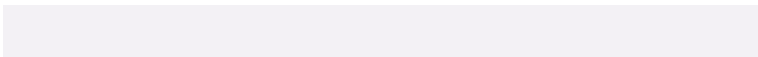
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0953, 88.8589, 99.7539



84.6623, 88.8589, 99.8781



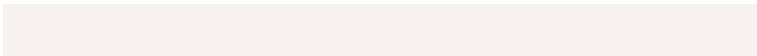
85.1767, 88.8589, 99.1576

# Triad

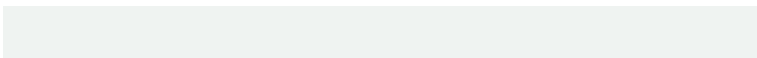
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6623, 88.8589, 99.8781



85.2935, 88.8589, 94.7133



83.4245, 88.8589, 95.7166

# Complementary

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



84.6623, 88.8589, 99.8781



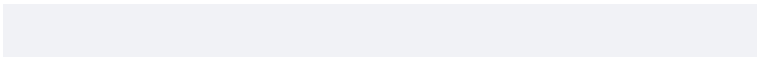
86.5357, 91.2474, 96.2719

# Split Complementary

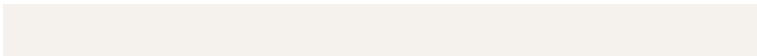
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7428, 88.8589, 94.3861



84.6623, 88.8589, 99.8781



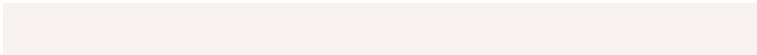
84.8212, 88.8589, 93.8114

# Square

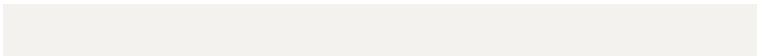
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



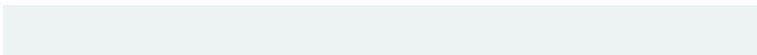
84.6623, 88.8589, 99.8781



85.5422, 88.8589, 96.1680



84.2535, 88.8589, 93.6923

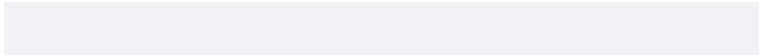


83.3824, 88.8589, 97.3389

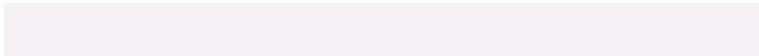


# Rectangle

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



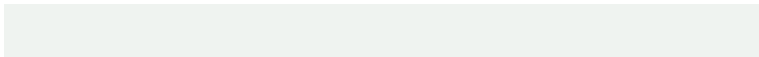
84.6623, 88.8589, 99.8781



85.4200, 88.8589, 98.3000



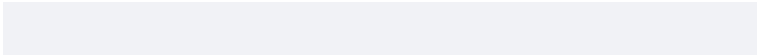
84.2535, 88.8589, 93.6923



83.5027, 88.8589, 95.2208

# Sweetspot

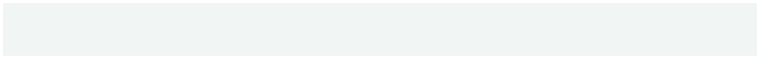
The Sweet Spot groups the original color and five complimentary colors.



84.6648, 88.8627, 99.8800



93.4714, 98.2262, 108.6408



85.7014, 91.2012, 99.4075



20.0234, 21.0432, 23.2563



0.0000, 0.0000, 0.0000

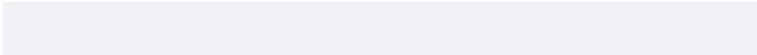


20.3446, 21.4041, 23.3091



# Same Dimension

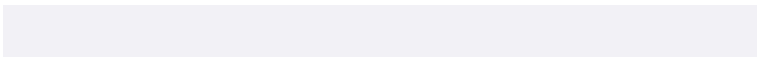
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6648, 88.8627, 99.8800



91.9121, 96.4726, 108.3845



84.8523, 88.5168, 99.8034



18.0467, 18.9446, 21.2481



9.5526, 4.8990, 46.9801

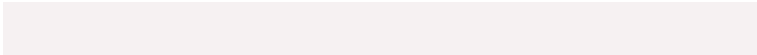


0.9092, 0.5698, 4.1523



# Inverse Universe

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



85.4903, 88.9158, 96.6656



92.7952, 96.5293, 104.9455



86.3453, 91.6014, 96.3503



18.2107, 18.9551, 20.6097



20.6262, 10.5939, 2.7401

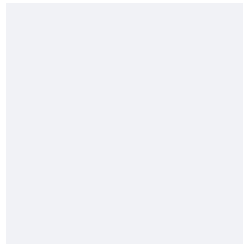


1.8480, 0.9452, 0.4258



# Previews

## White Background



This preview shows how the XYZ color 84.6623, 88.8589, 99.8781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

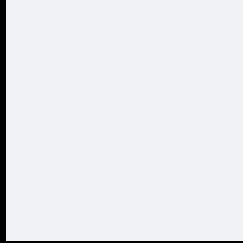
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.6623, 88.8589, 99.8781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

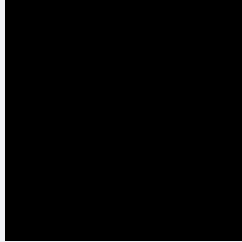
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

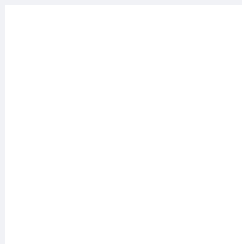
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.6623, 88.8589, 99.8781

## Background



This preview shows how black text looks on a background with the XYZ color 84.6623, 88.8589, 99.8781.



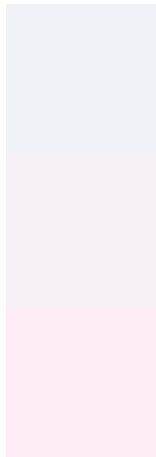
This preview shows how white text looks on a background with the XYZ color 84.6623, 88.8589,

99.8 81.

# 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

84.6623, 88.8589, 99.8781

### Protanopia

85.5929, 88.9156, 99.0374

### Deuteranopia

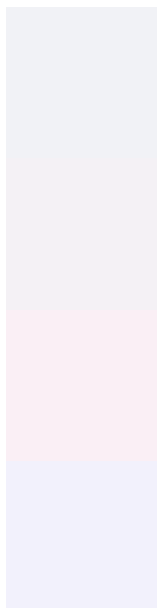
88.0056, 88.4209, 98.8148



## Tritanopia

86.1722, 88.5949, 107.1665

# Trichromacy



## Original Color

84.6623, 88.8589, 99.8781

## Protanomaly

85.2450, 88.7363, 99.0211

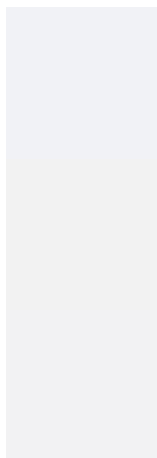
## Deuteranomaly

86.7723, 88.6496, 98.9239

## Tritanomaly

85.6439, 88.8161, 104.7248

# Monochromacy



## Original Color

84.6623, 88.8589, 99.8781

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.5477, 88.8526, 97.4881

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.6623, 88.8589, 99.8781 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, 242, 246) looks like.

```
.text, #text, p{  
    color:rgb(241, 242, 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(241, 242, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 242, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 84.6623, 88.8589, 99.8781 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, 242, 246) }
```



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

```
.border{ border-color:rgb(241, 242, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 242, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 242, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 242, 246);  
box-shadow:4px 4px 4px 4px rgb(241, 242,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.6623, 88.8589, 99.8781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 242, 246) }
```

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

```
.background{ background-color: rgb(241,  
242, 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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