

# Converting Colors

XYZ(85.5765, 89.4287, 96.3621)

Have a look what the booklet for  
XYZ(85.5765, 89.4287, 96.3621)  
contains.

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# Color

**XYZ(85.7852, 89.5079,  
96.7598)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6F2F2
RGB	246, 242, 242
RGB Percent	96%, 95%, 95%
CMY	0.0353, 0.0510, 0.0510
CMYK	0.00, 0.02, 0.02, 0.04
HSL	0°, 18%, 96%
HSV	0°, 2%, 96%
XYZ	85.7852, 89.5079, 96.7598
YIQ	243.1960, 2.3840, 0.8480

# Conversions

## Conversions Part 2

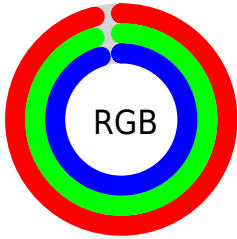
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 242, 242
Decimal	16184050
CIE Lab	95.79, 1.34, 0.46
CIE LCh	96, 1.415, 19.049
Yxy	89.5079, 0.3153, 0.3290
Android (android.graphics.Color)	4294374130 (0xFF6F2F2)
YUV	243.1960, -0.5896, 2.4591
Hunter-Lab	94.6086, -3.7124, 5.5879

# Details

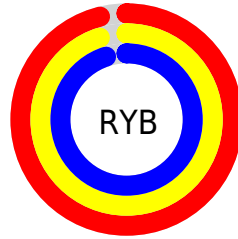
The XYZ color 85.7852, 89.5079, 96.7598 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.2083, 91.4415, 100.2964, and the grayscale version is 85.3529, 89.7978, 97.7899.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 47.6570, 49.6101, 53.5183 is the 20% darker color. If you saturate the color by 10%, you get 75.5074, 74.4720, 76.3147, and if you desaturate by 10%, it is 91.8166, 98.3331, 108.7487.

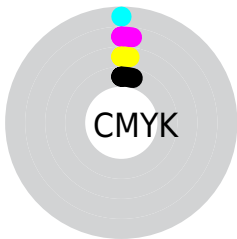
# Distribution



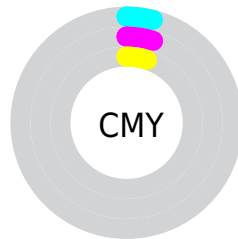
- Red (96%)
- Green (95%)
- Blue (95%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7852, 89.5079, 96.7598 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 85.7852, 89.5079, 96.7598 by changing the saturation by 10% instead.



85.7852, 89.5079,  
96.7598

85.7852, 89.5079,  
96.7598

502.6673,  
526.4288, 570.9112

64.8150, 67.5726,  
72.9956

140.3781,  
146.6547, 158.7100

47.5753, 49.5501,  
53.4805

174.7315,  
182.6349, 197.7331

33.7005, 35.0560,  
37.7962

214.2767,  
224.0655, 242.6796

22.8254, 23.7060,  
25.5239

259.3791,  
271.3310, 293.9679

14.5846, 15.1157,  
16.2453

310.4040,  
324.8156, 352.0167

8.6128, 8.9006,  
9.5416

367.7168,

4.5446, 4.6764,

384.9039, 417.2445

4.9945

431.6827,  
451.9801, 490.0698

■ 2.0146, 2.0587,  
2.1854

■ 0.6421, 0.6412,  
0.6659

■ 85.7852, 89.5079,  
96.7598

■ 85.7852, 89.5079,  
96.7598

■ 75.5074, 74.4720,  
76.3147

■ 91.8166, 98.3331,  
108.7487

■ 66.6483, 61.5109,  
58.6960

■ 59.1479, 50.5371,  
43.7814

■ 52.9391, 41.4524,  
31.4369

■ 47.9490, 34.1502,  
21.5175

■ 44.0975, 28.5134,  
13.8636

■ 41.2949, 24.4109,  
8.2967

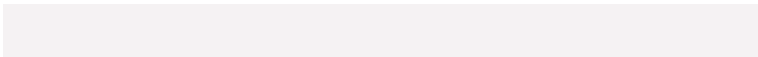
■ 39.4381, 21.6922,  
4.6113

■ 38.4034, 20.1760,  
2.5605

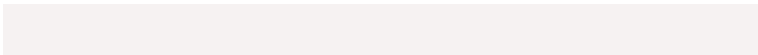
# Harmonies

## Analogous

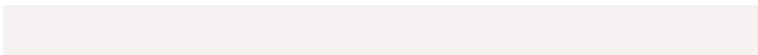
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8128, 89.5079, 97.8673



85.7852, 89.5079, 96.7598



85.5669, 89.5079, 95.8462

# Triad

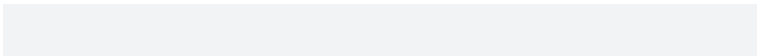
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7852, 89.5079, 96.7598



84.5096, 89.5079, 96.0584



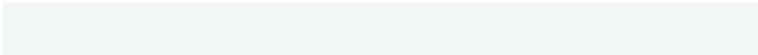
84.9322, 89.5079, 99.5821

# Complementary

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



85.7852, 89.5079, 96.7598



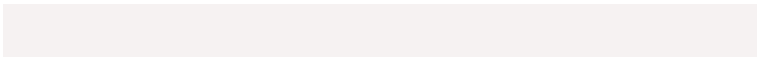
86.2083, 91.4415, 100.2964

# Split Complementary

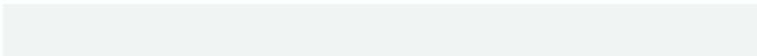
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5841, 89.5079, 99.0895



85.7852, 89.5079, 96.7598



84.3406, 89.5079, 97.0516

# Square

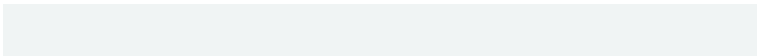
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



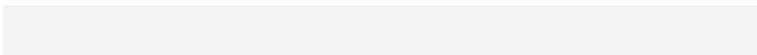
85.7852, 89.5079, 96.7598



84.8301, 89.5079, 95.4434



84.3679, 89.5079, 98.1613

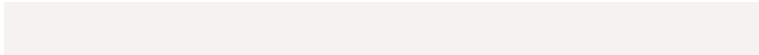


85.3195, 89.5079, 99.5025

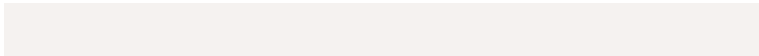


# Rectangle

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



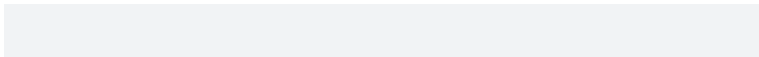
85.7852, 89.5079, 96.7598



85.3429, 89.5079, 95.4674



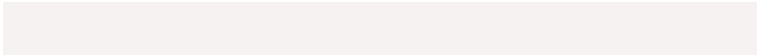
84.3679, 89.5079, 98.1613



84.8068, 89.5079, 99.4778

# Sweetspot

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



85.7877, 89.5118, 96.7617

95.0500, 100.0000, 108.9000



86.3940, 89.7523, 99.9605



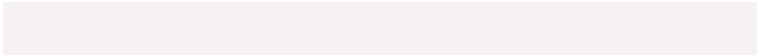
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

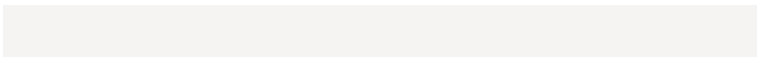
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.7877, 89.5118, 96.7617



92.6358, 96.4682, 104.0981



86.3850, 90.7064, 96.9608



18.1811, 18.9437, 20.4523



20.2883, 10.4621, 0.9501



1.7836, 0.9205, 0.0837



# Inverse Universe

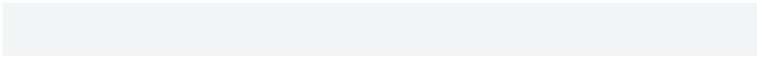
The Inverse Universe completely reimagines the original color for something new.



86.2083, 91.4415, 100.2964



93.1968, 99.0422, 108.8128



85.6045, 90.2338, 100.0951



18.2852, 19.4216, 21.3276



26.4289, 38.6516, 52.6056

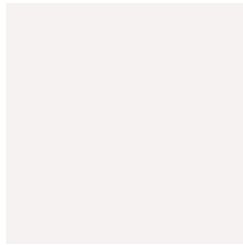


2.3233, 3.3980, 4.6237



# Previews

## White Background



This preview shows how the XYZ color 85.7852, 89.5079, 96.7598 looks on a white background.

## Color Contrast Check

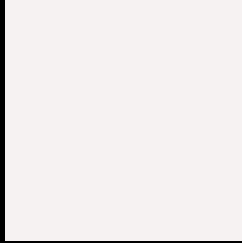
Large Text (above 18pt) WCAG AA × Fail

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 85.7852, 89.5079, 96.7598 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

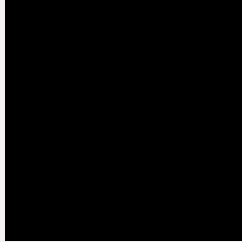
Any Text WCAG AAA ✓ Pass

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

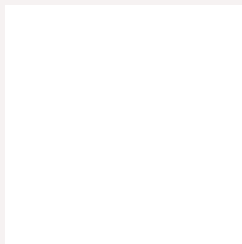


# XYZ 85.7852, 89.5079, 96.7598

## Background



This preview shows how black text looks on a background with the XYZ color 85.7852, 89.5079, 96.7598.



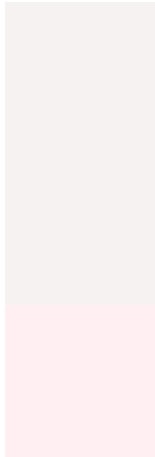
This preview shows how white text looks on a background with the XYZ color 85.7852, 89.5079,

96.7598.

# 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

85.7852, 89.5079, 96.7598

### Protanopia

86.1369, 89.6892, 96.7762

### Deuteranopia

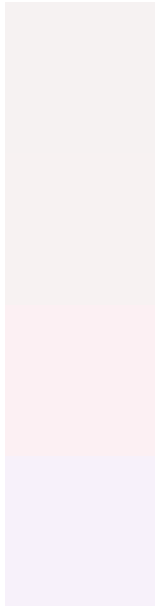
88.2842, 89.4641, 97.4092



## Tritanopia

87.5679, 89.3143, 107.2318

# Trichromacy



## Original Color

85.7852, 89.5079, 96.7598

## Protanomaly

86.1369, 89.6892, 96.7762

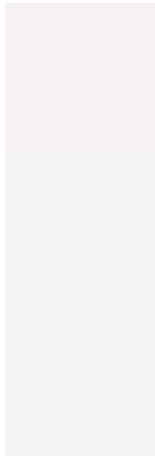
## Deuteranomaly

87.4826, 89.4867, 97.4558

## Tritanomaly

87.0684, 89.5869, 103.1455

# Monochromacy



## Original Color

85.7852, 89.5079, 96.7598

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.5365, 89.8053, 97.6199

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.7852, 89.5079, 96.7598 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(246, 242, 242) looks like.

```
.text, #text, p{  
    color:rgb(246, 242, 242)  
}
```

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(246, 242, 242) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 85.7852, 89.5079, 96.7598 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(246, 242, 242) }
```

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

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

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 85.7852, 89.5079, 96.7598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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