

# Converting Colors

XYZ(84.6784, 85.2623, 93.2999)

Have a look what the booklet for  
XYZ(84.6784, 85.2623, 93.2999)  
contains.

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# Color

**XYZ(84.5026, 85.0191,  
93.6179)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBE9EF
RGB	251, 233, 239
RGB Percent	98%, 91%, 94%
CMY	0.0157, 0.0863, 0.0627
CMYK	0.00, 0.07, 0.05, 0.02
HSL	340°, 69%, 95%
HSV	340°, 7%, 98%
XYZ	84.5026, 85.0191, 93.6179
YIQ	239.0660, 8.8020, 5.6820

# Conversions

## Conversions Part 2

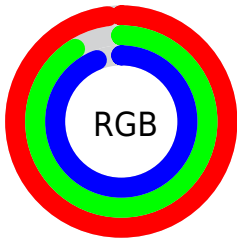
Format	Color
R <sub>Y</sub> B	251, 233, 239
Decimal	16509423
CIE Lab	93.89, 7.11, -0.71
CIE LCh	94, 7.147, 354.288
Yxy	85.0191, 0.3211, 0.3231
Android (android.graphics.Color)	4294699503 (0xFFFFBE9EF)
YUV	239.0660, -0.0325, 10.4661
Hunter-Lab	92.2058, 2.2273, 4.3461

# Details

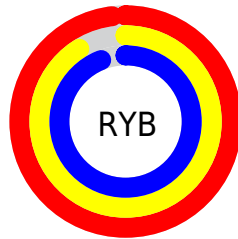
The XYZ color **84.5026, 85.0191, 93.6179** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5862, 92.9128, 99.8667**, and the grayscale version is **82.0930, 86.3682, 94.0550**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5175, 46.3325, 51.2911** is the 20% darker color. If you saturate the color by 10%, you get **75.5374, 70.8635, 78.9898**, and if you desaturate by 10%, it is **93.5942, 99.2495, 108.8319**.

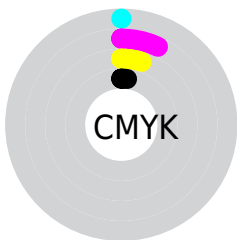
# Distribution



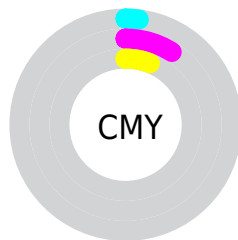
- Red (98%)
- Green (91%)
- Blue (94%)



- Red (98%)
- Yellow (91%)
- Blue (94%)



- Cyan (0%)
- Magenta (7%)
- Yellow (5%)
- Black (2%)



- Cyan (2%)
- Magenta (9%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5026, 85.0191, 93.6179 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 84.5026, 85.0191, 93.6179 by changing the saturation by 10% instead.



84.5026, 85.0191,  
93.6179

84.5026, 85.0191,  
93.6179

498.4892,  
511.6913, 560.6017

63.7516, 63.8572,  
70.3947

138.5956,  
140.3999, 154.3329

46.7104, 46.5350,  
51.3696

172.6684,  
175.3875, 192.6617

33.0138, 32.6682,  
36.1240

211.9124,  
215.7524, 236.8629

22.2963, 21.8724,  
24.2396

256.6931,  
261.8791, 287.3548

14.1926, 13.7632,  
15.2976

307.3757,  
314.1520, 344.5562

8.3373, 7.9561,  
8.8796

364.3257,

4.3652, 4.0669,

372.9554, 408.8854

4.5670

427.9085,  
438.6736, 480.7611

■ 1.9107, 1.7110,  
1.9413

■ 0.5831, 0.4308,  
0.5188

■ 84.5026, 85.0191,  
93.6179

■ 84.5026, 85.0191,  
93.6179

■ 75.5374, 70.8635,  
78.9898

■ 93.5942, 99.2495,  
108.8319

■ 67.7608, 58.7296,  
65.8561

■ 61.1233, 48.5279,  
54.1695

■ 55.5692, 40.1573,  
43.8781

■ 51.0375, 33.5077,  
34.9266

■ 47.4614, 28.4571,  
27.2556

■ 44.7653, 24.8672,  
20.8007

■ 42.8613, 22.5756,  
15.4906

■ 41.6379, 21.3744,  
11.2430

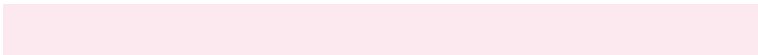
# Harmonies

## Analogous

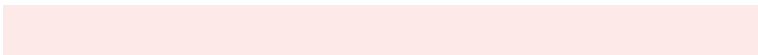
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.8146, 85.0191, 98.8217



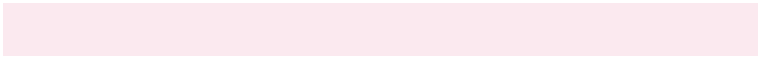
84.5026, 85.0191, 93.6179



84.1882, 85.0191, 88.3291

# Triad

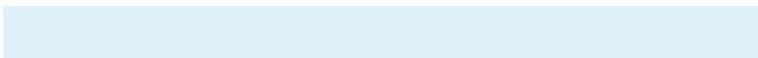
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5026, 85.0191, 93.6179



79.3129, 85.0191, 83.3476



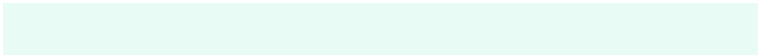
78.6918, 85.0191, 101.3402

# Complementary

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



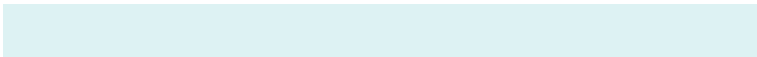
84.5026, 85.0191, 93.6179



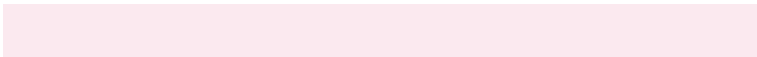
84.5862, 92.9128, 99.8667

# Split Complementary

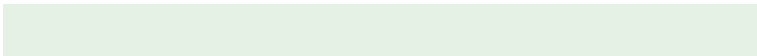
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5197, 85.0191, 96.9473



84.5026, 85.0191, 93.6179



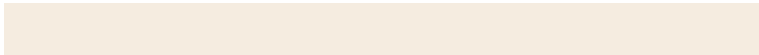
77.8744, 85.0191, 86.5903

# Square

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



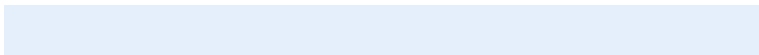
84.5026, 85.0191, 93.6179



81.1727, 85.0191, 82.5342



77.2229, 85.0191, 91.5326



80.4446, 85.0191, 103.3910

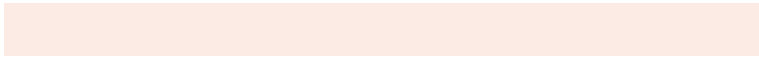


# Rectangle

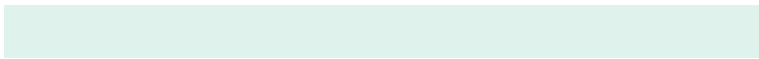
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



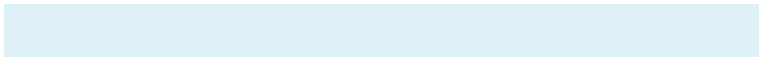
84.5026, 85.0191, 93.6179



83.4548, 85.0191, 85.4477



77.2229, 85.0191, 91.5326



78.2179, 85.0191, 100.0804

# Sweetspot

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



84.5050, 85.0228, 93.6197



92.9018, 96.5720, 105.5066



84.2106, 84.6594, 103.1705



19.9073, 20.7063, 22.6184



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

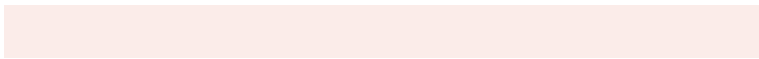
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5050, 85.0228, 93.6197



85.7938, 85.2746, 94.1396



84.4900, 86.3870, 89.3165



17.4831, 17.3206, 19.1339



21.8055, 11.1379, 5.6841



2.0666, 1.0504, 0.7740



# Inverse Universe

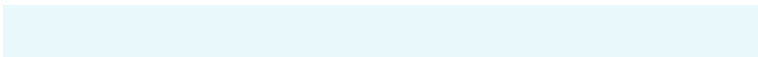
The Inverse Universe completely reimagines the original color for something new.



84.5050, 85.0228, 93.6197



85.7938, 85.2746, 94.1396



84.5871, 91.4259, 104.4567



17.4831, 17.3206, 19.1339



21.8055, 11.1379, 5.6841

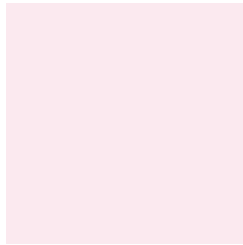


2.0666, 1.0504, 0.7740



# Previews

## White Background



This preview shows how the XYZ color 84.5026, 85.0191, 93.6179 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

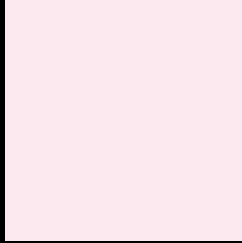
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5026, 85.0191, 93.6179 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

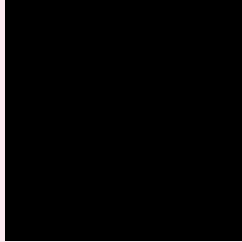
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.5026, 85.0191, 93.6179**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5026, 85.0191, 93.6179.



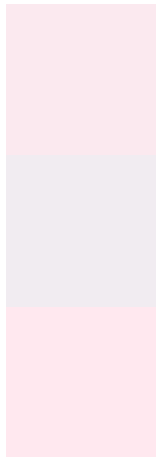
This preview shows how white text looks on a background with the XYZ color 84.5026, 85.0191,

93.679.

# 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

84.5026, 85.0191, 93.6179

### Protanopia

82.1483, 85.0426, 95.3043

### Deuteranopia

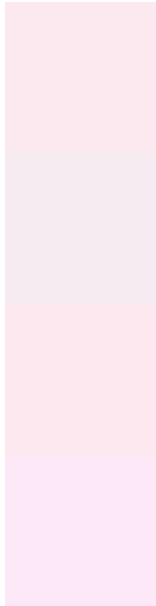
85.6766, 85.2052, 93.5920



## Tritanopia

86.3392, 84.9366, 102.2863

# Trichromacy



## Original Color

84.5026, 85.0191, 93.6179

## Protanomaly

83.0927, 85.1204, 94.4885

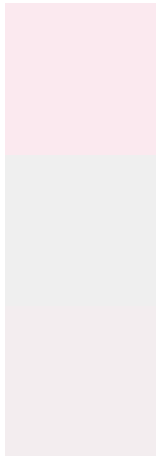
## Deuteranomaly

85.3097, 85.0161, 93.5748

## Tritanomaly

85.6360, 85.0625, 99.0940

# Monochromacy



## Original Color

84.5026, 85.0191, 93.6179

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.8263, 85.8551, 93.8676

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5026, 85.0191, 93.6179 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(251, 233, 239)` looks like.

```
.text, #text, p{  
    color:rgb(251, 233, 239)  
}
```

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(251, 233, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 233, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5026, 85.0191, 93.6179 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(251, 233, 239) }
```



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

```
.border{ border-color:rgb(251, 233, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 233, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 233, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 233, 239);  
box-shadow:4px 4px 4px 4px rgb(251, 233,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5026, 85.0191, 93.6179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 233, 239) }
```

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

```
.background{ background-color: rgb(251,  
233, 239) }
```

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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