

# Converting Colors

XYZ(83.9636, 84.3163,  
108.1201)

Have a look what the booklet for  
XYZ(83.9636, 84.3163, 108.1201)  
contains.

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# **Color**

**XYZ(83.8069, 84.3751,  
106.4767)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E9FF
RGB	242, 233, 255
RGB Percent	95%, 91%, 100%
CMY	0.0510, 0.0863, 0.0000
CMYK	0.05, 0.09, 0.00, 0.00
HSL	265°, 100%, 96%
HSV	265°, 9%, 100%
XYZ	83.8069, 84.3751, 106.4767
YIQ	238.1990, -1.6980, 8.7500

# Conversions

## Conversions Part 2

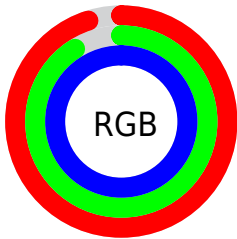
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 233, 255
Decimal	15919615
CIE Lab	93.61, 6.99, -9.53
CIE LCh	94, 11.815, 306.256
Yxy	84.3751, 0.3051, 0.3072
Android (android.graphics.Color)	4294109695 (0xFF2E9FF)
YUV	238.1990, 8.2829, 3.3335
Hunter-Lab	91.8559, 2.1108, -4.4281

# Details

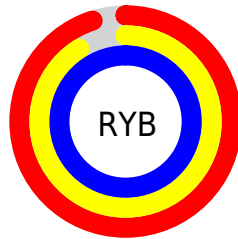
The XYZ color **83.8069, 84.3751, 106.4767** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.4761, 96.9970, 91.1541**, and the grayscale version is **81.3630, 85.6002, 93.2186**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1649, 45.9606, 59.8642** is the 20% darker color. If you saturate the color by 10%, you get **72.1427, 68.4109, 104.0100**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

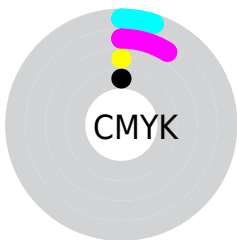
# Distribution



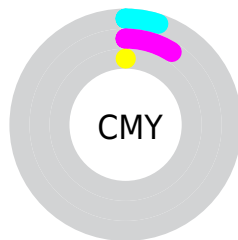
- Red (95%)
- Green (91%)
- Blue (100%)



- Red (95%)
- Yellow (91%)
- Blue (100%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8069, 84.3751, 106.4767 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 83.8069, 84.3751, 106.4767 by changing the saturation by 10% instead.



83.8069, 84.3751,  
106.4767

83.8069, 84.3751,  
106.4767

496.2151,  
509.5580, 602.1871

63.1752, 63.3252,  
81.0735

137.6277,  
139.4998, 172.1588

46.2421, 46.1043,  
60.0708

171.5475,  
174.3433, 213.2747

32.6424, 32.3282,  
43.0500

210.6273,  
214.5535, 260.4653

22.0105, 21.6123,  
29.5927

255.2326,  
260.5147, 314.1491

13.9813, 13.5723,  
19.2802

305.7287,  
312.6114, 374.7446

8.1893, 7.8238,  
11.6941

362.4809,

4.2691, 3.9824,

371.2279, 442.6705

6.4157

425.8546,  
436.7486, 518.3451

■ 1.8555, 1.6637,  
3.0266

■ 0.5508, 0.4000,  
1.1082

■ 83.8069, 84.3751,  
106.4767

■ 83.8069, 84.3751,  
106.4767

■ 72.1427, 68.4109,  
104.0100

95.0500, 100.0000,  
108.9000

■ 61.8909, 54.6548,  
101.8952

■ 52.9952, 43.0093,  
100.1162

■ 45.3931, 33.3655,  
98.6554

■ 39.0164, 25.6042,  
97.4935

■ 33.7902, 19.5934,  
96.6087

■ 29.6298, 15.1830,  
95.9767

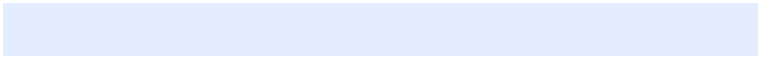
■ 26.4370, 12.1961,  
95.5684

■ 24.0765, 10.3833,  
95.3429

# Harmonies

## Analogous

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



80.8534, 84.3751, 110.0844



83.8069, 84.3751, 106.4767



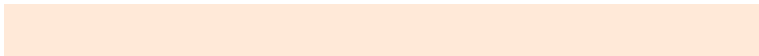
85.8301, 84.3751, 98.9841

# Triad

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



83.8069, 84.3751, 106.4767



82.6430, 84.3751, 76.9836



74.3629, 84.3751, 93.7605

# Complementary

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



83.8069, 84.3751, 106.4767



88.4761, 96.9970, 91.1541

# Split Complementary

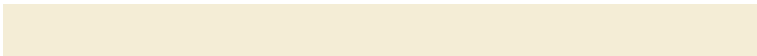
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8140, 84.3751, 85.1054



83.8069, 84.3751, 106.4767



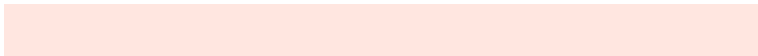
79.5422, 84.3751, 75.7847

# Square

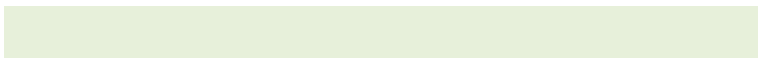
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8069, 84.3751, 106.4767



85.1460, 84.3751, 82.0523



76.6903, 84.3751, 78.6645



75.4417, 84.3751, 102.4414



# Rectangle

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



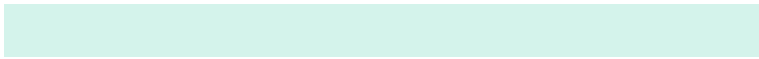
83.8069, 84.3751, 106.4767



86.3506, 84.3751, 92.9999



76.6903, 84.3751, 78.6645



74.3410, 84.3751, 90.7495

# Sweetspot

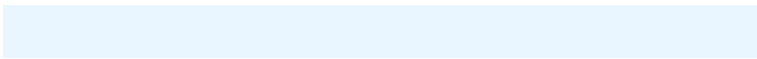
The Sweet Spot groups the original color and five complimentary colors.



83.8091, 84.3786, 106.4772



91.0141, 94.3684, 108.0257



84.6734, 90.5792, 107.6285



19.2548, 19.8843, 23.0732



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.



83.8091, 84.3786, 106.4772



82.1194, 82.0488, 106.1166



87.6259, 86.3462, 106.6558



17.7066, 17.7405, 22.7410



12.5920, 5.4019, 49.8136



1.3463, 0.5879, 4.8558



# Inverse Universe

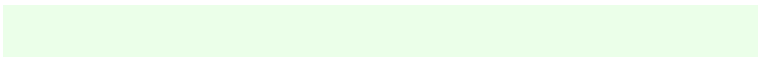
The Inverse Universe completely reimagines the original color for something new.



87.0156, 86.1950, 99.2428



85.8137, 84.1420, 97.7604



84.7975, 95.1006, 90.9819



18.4599, 18.1673, 21.0387



24.5307, 12.3016, 16.7111

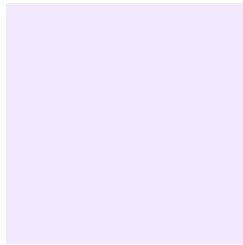


2.4427, 1.2195, 1.9129



# Previews

## White Background



This preview shows how the XYZ color 83.8069, 84.3751, 106.4767 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

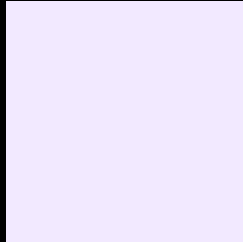
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8069, 84.3751, 106.4767 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

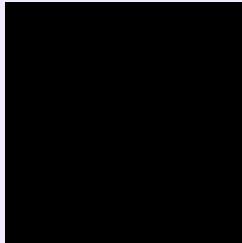
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.8069, 84.3751, 106.4767**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.8069, 84.3751, 106.4767.



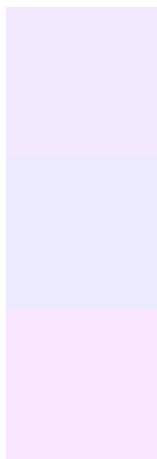
This preview shows how white text looks on a background with the XYZ color 83.8069, 84.3751,

106.4767.

# 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

83.8069, 84.3751, 106.4767

### Protanopia

82.0193, 84.2988, 106.5562

### Deuteranopia

85.7712, 84.1376, 106.3273



## Tritanopia

83.6115, 84.7512, 104.0473

# Trichromacy



## Original Color

83.8069, 84.3751, 106.4767

## Protanomaly

82.7327, 84.2428, 106.5077

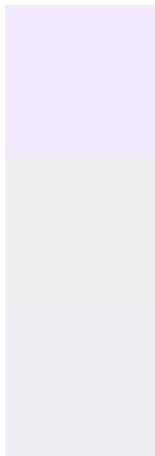
## Deuteranomaly

84.9837, 84.1460, 106.3704

## Tritanomaly

83.7704, 84.8147, 104.8842

# Monochromacy



## Original Color

83.8069, 84.3751, 106.4767

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.9212, 84.8733, 97.6524

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8069, 84.3751, 106.4767 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(242, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 233, 255)  
}
```

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(242, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8069, 84.3751, 106.4767 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(242, 233, 255) }
```



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

```
.border{ border-color:rgb(242, 233, 255) }
```

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

Here you see how a box with a 4 pixel rgb(242, 233, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8069, 84.3751, 106.4767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 233, 255) }
```

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

```
.background{ background-color: rgb(242,  
233, 255) }
```

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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