

# Converting Colors

XYZ(84.7746, 84.5947,  
106.4680)

Have a look what the booklet for  
XYZ(84.7746, 84.5947, 106.4680)  
contains.

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# Color

**XYZ(84.5628, 84.3457,  
106.4312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E8FF
RGB	245, 232, 255
RGB Percent	96%, 91%, 100%
CMY	0.0392, 0.0902, 0.0000
CMYK	0.04, 0.09, 0.00, 0.00
HSL	274°, 100%, 95%
HSV	274°, 9%, 100%
XYZ	84.5628, 84.3457, 106.4312
YIQ	238.5090, 0.3650, 9.9090

# Conversions

## Conversions Part 2

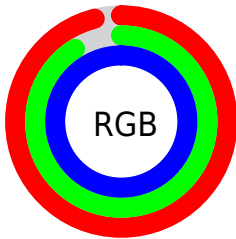
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	245, 232, 255
Decimal	16115967
CIE <sub>Lab</sub>	93.60, 8.48, -9.52
CIE <sub>LCh</sub>	94, 12.750, 311.688
Yxy	84.3457, 0.3071, 0.3063
Android (android.graphics.Color)	4294306047 (0xFF5E8FF)
YUV	238.5090, 8.1301, 5.6926
Hunter-Lab	91.8399, 3.6364, -4.4219

# Details

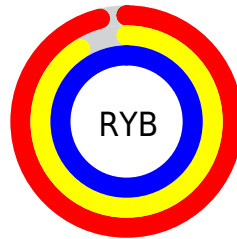
The XYZ color **84.5628, 84.3457, 106.4312** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.9455, 96.2244, 90.3388**, and the grayscale version is **81.6032, 85.8529, 93.4939**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7046, 45.9467, 59.8331** is the 20% darker color. If you saturate the color by 10%, you get **74.1467, 69.0844, 104.0344**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

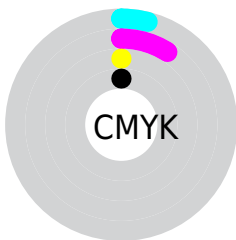
# Distribution



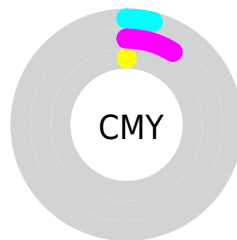
- Red (96%)
- Green (91%)
- Blue (100%)



- Red (96%)
- Yellow (91%)
- Blue (100%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5628, 84.3457, 106.4312 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 84.5628, 84.3457, 106.4312 by changing the saturation by 10% instead.



84.5628, 84.3457,  
106.4312

84.5628, 84.3457,  
106.4312

498.6858,  
509.4605, 602.0426

63.8015, 63.3009,  
81.0355

138.6794,  
139.4587, 172.0961

46.7510, 46.0847,  
60.0397

172.7653,  
174.2956, 213.2024

33.0460, 32.3126,  
43.0251

212.0235,  
214.4987, 260.3827

22.3211, 21.6004,  
29.5733

256.8193,  
260.4524, 314.0555

14.2109, 13.5636,  
19.2656

307.5181,  
312.5410, 374.6394

8.3502, 7.8178,  
11.6836

364.4852,

4.3735, 3.9786,

371.1489, 442.5528

6.4087

428.0860,  
436.6607, 518.2144

■ 1.9155, 1.6616,  
3.0224

■ 0.5858, 0.3986,  
1.1061

■ 84.5628, 84.3457,  
106.4312

■ 84.5628, 84.3457,  
106.4312

■ 74.1467, 69.0844,  
104.0344

95.0500, 100.0000,  
108.9000

■ 64.9530, 55.9305,  
101.9800

■ 56.9318, 44.7896,  
100.2524

■ 50.0271, 35.5560,  
98.8340

■ 44.1777, 28.1138,  
97.7058

■ 39.3159, 22.3341,  
96.8465

■ 35.3648, 18.0704,  
96.2317

■ 32.2339, 15.1487,  
95.8328

■ 29.7918, 13.3135,  
95.6073

# Harmonies

## Analogous

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



81.4901, 84.3457, 111.2709



84.5628, 84.3457, 106.4312



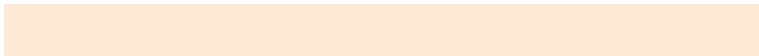
86.4893, 84.3457, 97.8034

# Triad

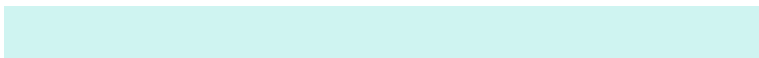
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5628, 84.3457, 106.4312



82.2248, 84.3457, 75.2968



73.9784, 84.3457, 95.6556

# Complementary

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



84.5628, 84.3457, 106.4312



86.9455, 96.2244, 90.3388

# 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.



74.1626, 84.3457, 86.1205



84.5628, 84.3457, 106.4312



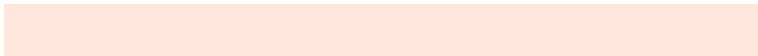
78.8604, 84.3457, 74.8108

# Square

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



84.5628, 84.3457, 106.4312



85.1136, 84.3457, 80.0216



75.9283, 84.3457, 78.6439



75.4179, 84.3457, 104.7642



# Rectangle

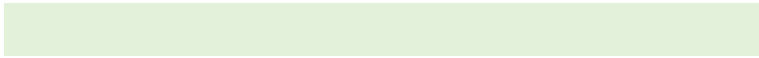
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5628, 84.3457, 106.4312



86.8326, 84.3457, 91.2917



75.9283, 84.3457, 78.6439



73.8536, 84.3457, 92.3867

# Sweetspot

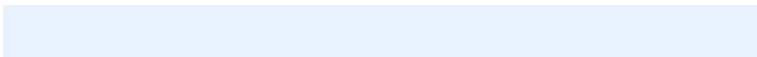
The Sweet Spot groups the original color and five complimentary colors.



84.5650, 84.3492, 106.4317



91.4447, 94.5904, 108.0459



83.1879, 88.0914, 107.2266



19.3709, 19.9441, 23.0786



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.



84.5650, 84.3492, 106.4317



82.3998, 81.1506, 105.9284



87.9636, 86.1226, 105.6274



17.9855, 17.8843, 22.7540



15.6271, 6.9666, 49.9556



1.6469, 0.7429, 4.8699



# Inverse Universe

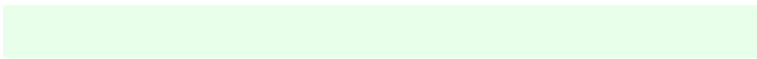
The Inverse Universe completely reimagines the original color for something new.



86.1258, 85.3874, 95.9495



84.2970, 82.4115, 93.2389



83.7707, 94.5688, 91.0456



18.3373, 18.1183, 20.3936



23.1162, 11.7358, 9.2624

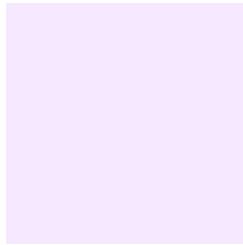


2.3044, 1.1641, 1.1843



# Previews

## White Background



This preview shows how the XYZ color 84.5628, 84.3457, 106.4312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

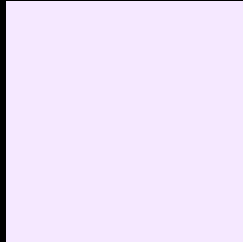
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5628, 84.3457, 106.4312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

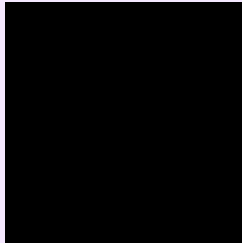
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

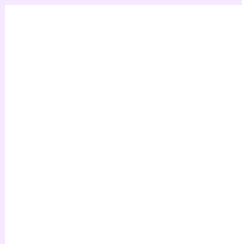
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 84.5628, 84.3457, 106.4312**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.5628, 84.3457, 106.4312.



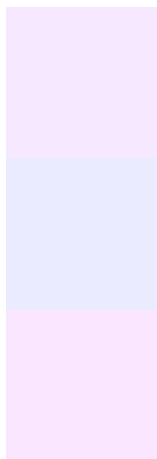
This preview shows how white text looks on a background with the XYZ color 84.5628, 84.3457,

106.4312.

# 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

84.5628, 84.3457, 106.4312

### Protanopia

82.0193, 84.2988, 106.5562

### Deuteranopia

86.1305, 84.3229, 106.3441



## Tritanopia

83.8597, 84.4760, 103.1524

# Trichromacy



## Original Color

84.5628, 84.3457, 106.4312

## Protanomaly

83.0694, 84.4164, 106.5235

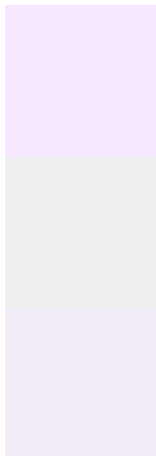
## Deuteranomaly

85.6928, 84.5116, 106.4036

## Tritanomaly

84.0178, 84.5392, 103.9849

# Monochromacy



## Original Color

84.5628, 84.3457, 106.4312

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

82.7525, 85.2842, 98.4862

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5628, 84.3457, 106.4312 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(245, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(245, 232, 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(245, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 232, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5628, 84.3457, 106.4312 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(245, 232, 255) }
```



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

```
.border{ border-color:rgb(245, 232, 255) }
```

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

Here you see how a box with a 4 pixel rgb(245, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(245, 232,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5628, 84.3457, 106.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 232, 255) }
```

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

```
.background{ background-color: rgb(245,  
232, 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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