

# Converting Colors

XYZ(82.7145, 83.7177,  
106.4074)

Have a look what the booklet for  
XYZ(82.7145, 83.7177, 106.4074)  
contains.

|  |    |
|--|----|
| <b>XYZ(82.7855, 83.8485, 106.4289)</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(82.7855, 83.8485,  
106.4289)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | EFE9FF                     |
| RGB         | 239, 233, 255              |
| RGB Percent | 94%, 91%, 100%             |
| CMY         | 0.0627, 0.0863, 0.0000     |
| CMYK        | 0.06, 0.09, 0.00, 0.00     |
| HSL         | 256°, 100%, 96%            |
| HSV         | 256°, 9%, 100%             |
| XYZ         | 82.7855, 83.8485, 106.4289 |
| YIQ         | 237.3020, -3.4860, 8.1140  |

# Conversions

## Conversions Part 2

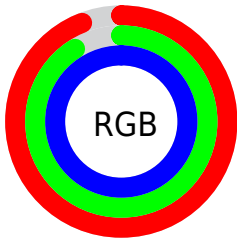
| <b>Format</b>                       | <b>Color</b>                |
|-------------------------------------|-----------------------------|
| R <sub>Y</sub> B                    | 239, 233, 255               |
| Decimal                             | 15723007                    |
| CIE Lab                             | 93.38, 6.02, -9.89          |
| CIE LCh                             | 93, 11.578, 301.309         |
| Yxy                                 | 83.8485, 0.3032,<br>0.3071  |
| Android<br>(android.graphics.Color) | 4293913087<br>(0xFFEFE9FF)  |
| YUV                                 | 237.3020, 8.7251,<br>1.4891 |
| Hunter-Lab                          | 91.5688, 1.1327,<br>-4.8136 |

# Details

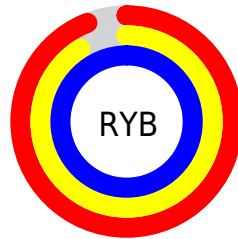
The XYZ color **82.7855, 83.8485, 106.4289** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.5369, 97.5439, 91.2036**, and the grayscale version is **80.6676, 84.8686, 92.4219**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4436, 45.5888, 59.8305** is the 20% darker color. If you saturate the color by 10%, you get **70.1383, 67.3776, 103.9162**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

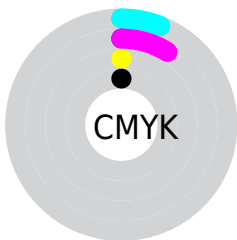
# Distribution



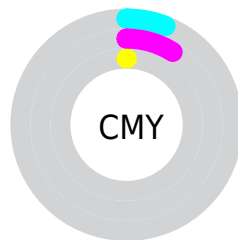
- Red (94%)
- Green (91%)
- Blue (100%)



- Red (94%)
- Yellow (91%)
- Blue (100%)



- Cyan (6%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (6%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7855, 83.8485, 106.4289 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 82.7855, 83.8485, 106.4289 by changing the saturation by 10% instead.




 82.7855, 83.8485,  
106.4289

 82.7855, 83.8485,  
106.4289


492.8661,  
507.8100, 602.0353

 62.3295, 62.8904,  
81.0336

136.2051,  
138.7632, 172.0929

 45.5556, 45.7525,  
60.0381


169.8994,  
173.4886, 213.1988

 32.0984, 32.0506,  
43.0239


208.7372,  
213.5719, 260.3785

 21.5926, 21.4001,  
29.5723

253.0839,  
259.3974, 314.0508

 13.6728, 13.4168,  
19.2649

303.3047,  
311.3496, 374.6340

 7.9736, 7.7162,  
11.6831

359.7652,

 4.1297, 3.9139,

369.8128, 442.5469

6.4084

422.8305,  
435.1715, 518.2078

■ 1.7758, 1.6255,  
3.0222

■ 0.5030, 0.3747,  
1.1060

■ 82.7855, 83.8485,  
106.4289

■ 82.7855, 83.8485,  
106.4289

■ 70.1383, 67.3776,  
103.9162

95.0500, 100.0000,  
108.9000

■ 59.1109, 53.2216,  
101.7651

■ 49.6373, 41.2782,  
99.9591

■ 41.6448, 31.4331,  
98.4800

■ 35.0541, 23.5616,  
97.3080

■ 29.7784, 17.5253,  
96.4210

■ 25.7201, 13.1675,  
95.7937

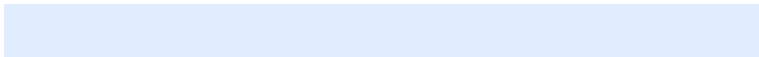
■ 22.7665, 10.3039,  
95.3967

■ 20.7659, 8.6766,  
95.1880

# Harmonies

## Analogous

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



79.8297, 83.8485, 109.1592



82.7855, 83.8485, 106.4289



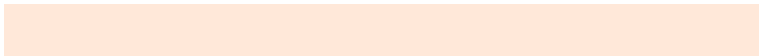
84.9574, 83.8485, 99.6091

# Triad

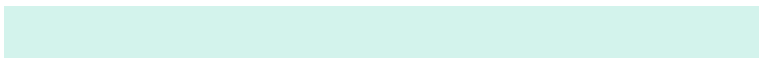
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7855, 83.8485, 106.4289



82.5474, 83.8485, 77.3271



73.9689, 83.8485, 91.6815

# Complementary

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



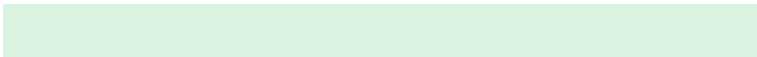
82.7855, 83.8485, 106.4289



89.5369, 97.5439, 91.2036

# 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.



74.6554, 83.8485, 83.4602



82.7855, 83.8485, 106.4289



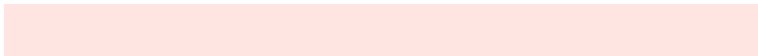
79.5614, 83.8485, 75.4976

# Square

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



82.7855, 83.8485, 106.4289



84.8175, 83.8485, 82.8349



76.6833, 83.8485, 77.6716



74.7840, 83.8485, 100.3161



# Rectangle

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



82.7855, 83.8485, 106.4289



85.6411, 83.8485, 93.8610



76.6833, 83.8485, 77.6716



74.0316, 83.8485, 88.7797

# Sweetspot

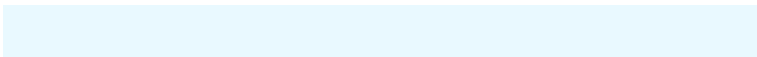
The Sweet Spot groups the original color and five complimentary colors.



82.7877, 83.8520, 106.4294



90.6403, 94.1757, 108.0082



85.5734, 92.3793, 107.9285



19.1541, 19.8324, 23.0684



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.



82.7877, 83.8520, 106.4294



80.9503, 81.4461, 106.0619



86.5675, 85.8005, 106.6063



17.4677, 17.6173, 22.7298



10.8550, 4.5064, 49.7323



1.1563, 0.4900, 4.8469



# Inverse Universe

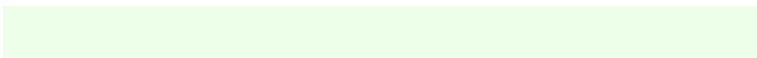
The Inverse Universe completely reimagines the original color for something new.



87.4799, 86.3807, 101.6878



86.3486, 84.3560, 100.5771



85.7748, 95.6045, 91.0275



18.5689, 18.2109, 21.6131



26.2169, 12.9761, 25.5904

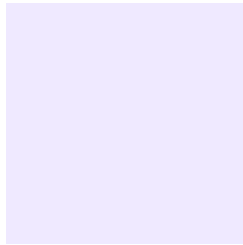


2.5986, 1.2818, 2.7336



# Previews

## White Background



This preview shows how the XYZ color 82.7855, 83.8485, 106.4289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

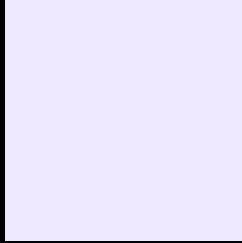
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7855, 83.8485, 106.4289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

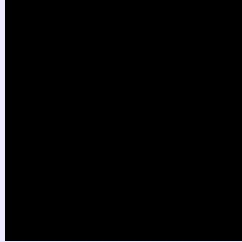
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 82.7855, 83.8485, 106.4289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7855, 83.8485, 106.4289.



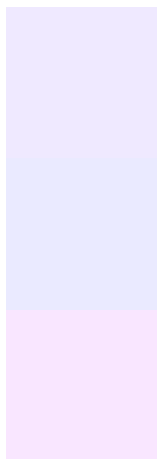
This preview shows how white text looks on a background with the XYZ color 82.7855, 83.8485,

106.4289.

# 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

82.7855, 83.8485, 106.4289

### Protanopia

81.4045, 83.5581, 106.4456

### Deuteranopia

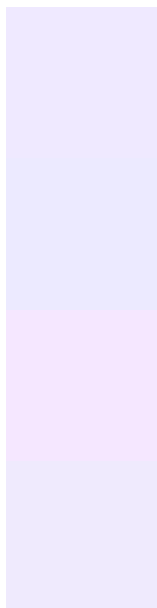
85.4137, 83.9534, 106.3106



## Tritanopia

82.5901, 84.2246, 103.9995

# Trichromacy



## Original Color

82.7855, 83.8485, 106.4289

## Protanomaly

82.0649, 83.8985, 106.4765

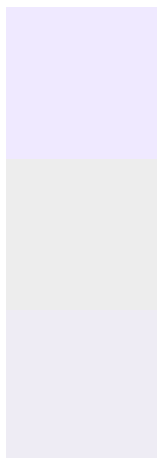
## Deuteranomaly

84.2821, 83.7843, 106.3376

## Tritanomaly

82.7490, 84.2882, 104.8364

# Monochromacy



## Original Color

82.7855, 83.8485, 106.4289

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.5845, 84.6997, 97.6367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7855, 83.8485, 106.4289 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(239, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(239, 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(239, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7855, 83.8485, 106.4289 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(239, 233, 255) }
```



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

```
.border{ border-color:rgb(239, 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(239, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(239, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7855, 83.8485, 106.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 233, 255) }
```

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

```
.background{ background-color: rgb(239,  
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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