

Converting Colors

XYZ(83.0360, 83.5795,
106.3637)

Have a look what the booklet for
XYZ(83.0360, 83.5795, 106.3637)
contains.

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Color

**XYZ(83.1822, 83.6340,
106.3665)**

Conversions

Conversions Part 1

Format	Color
Hex	F1E8FF
RGB	241, 232, 255
RGB Percent	95%, 91%, 100%
CMY	0.0549, 0.0902, 0.0000
CMYK	0.05, 0.09, 0.00, 0.00
HSL	263°, 100%, 95%
HSV	263°, 9%, 100%
XYZ	83.1822, 83.6340, 106.3665
YIQ	237.3130, -2.0190, 9.0610

Conversions

Conversions Part 2

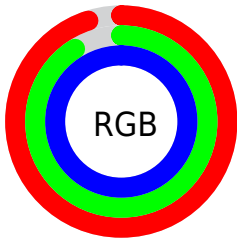
Format	Color
R _Y B	241, 232, 255
Decimal	15853823
CIE Lab	93.29, 7.18, -10.01
CIE LCh	93, 12.322, 305.642
Yxy	83.6340, 0.3045, 0.3061
Android (android.graphics.Color)	4294043903 (0xFFFF1E8FF)
YUV	237.3130, 8.7197, 3.2335
Hunter-Lab	91.4516, 2.3190, -4.9435

Details

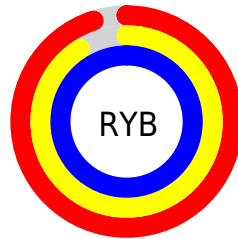
The XYZ color **83.1822, 83.6340, 106.3665** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.3337, 96.9400, 90.4037**, and the grayscale version is **80.6754, 84.8768, 92.4308**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.7260, 45.4422, 59.7873** is the 20% darker color. If you saturate the color by 10%, you get **71.4439, 67.6910, 103.9079**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

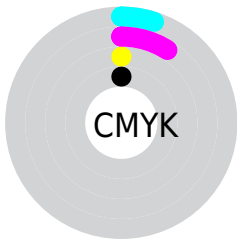
Distribution



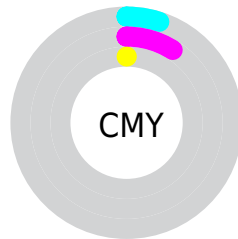
- Red (95%)
- Green (91%)
- Blue (100%)



- 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 83.1822, 83.6340, 106.3665 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 83.1822, 83.6340, 106.3665 by changing the saturation by 10% instead.

83.1822, 83.6340,
106.3665

83.1822, 83.6340,
106.3665

494.1683,
507.0971, 601.8372

62.6579, 62.7133,
80.9816

136.7578,
138.4631, 172.0070

45.8221, 45.6093,
59.9955

170.5398,
173.1403, 213.0996

32.3095, 31.9376,
42.9898

209.4718,
213.1717, 260.2652

21.7547, 21.3139,
29.5457

253.9191,
258.9418, 313.9224

13.7924, 13.3536,
19.2449

304.2470,
310.8351, 374.4896

8.0571, 7.6725,
11.6688

360.8209,

4.1836, 3.8861,

369.2357, 442.3855

6.3988

424.0063,
434.5283, 518.0285

■ 1.8065, 1.6101,
3.0164

■ 0.5216, 0.3644,
1.1030

■ 83.1822, 83.6340,
106.3665

■ 83.1822, 83.6340,
106.3665

■ 71.4439, 67.6910,
103.9079

95.0500, 100.0000,
108.9000

■ 61.1405, 53.9650,
101.8016

■ 52.2146, 42.3578,
100.0316

■ 44.6024, 32.7595,
98.5801

■ 38.2344, 25.0499,
97.4277

■ 33.0339, 19.0957,
96.5525

■ 28.9148, 14.7453,
95.9299

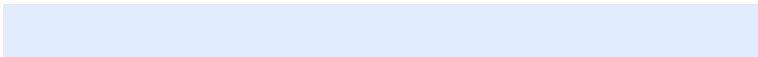
■ 25.7765, 11.8198,
95.5306

■ 23.4765, 10.0579,
95.3118

Harmonies

Analogous

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



80.1065, 83.6340, 110.0233



83.1822, 83.6340, 106.3665



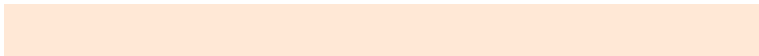
85.3107, 83.6340, 98.6317

Triad

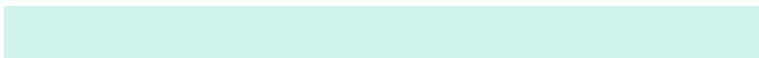
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1822, 83.6340, 106.3665



82.0922, 83.6340, 75.7390



73.4442, 83.6340, 92.8309

Complementary

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



83.1822, 83.6340, 106.3665



88.3337, 96.9400, 90.4037

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.



73.9434, 83.6340, 83.8922



83.1822, 83.6340, 106.3665



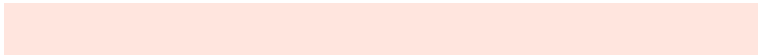
78.8799, 83.6340, 74.4170

Square

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



83.1822, 83.6340, 106.3665



84.6694, 83.6340, 81.0448



75.9118, 83.6340, 77.3030



74.5293, 83.6340, 101.8750

Rectangle

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



83.1822, 83.6340, 106.3665



85.8750, 83.6340, 92.4274



75.9118, 83.6340, 77.3030



73.4326, 83.6340, 89.7125

Sweetspot

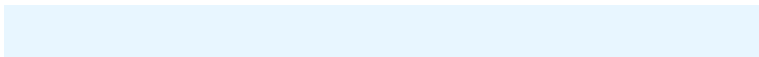
The Sweet Spot groups the original color and five complimentary colors.



83.1844, 83.6375, 106.3671



90.9653, 94.3432, 108.0234



84.3427, 90.4012, 107.6116



19.2416, 19.8775, 23.0725



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.



83.1844, 83.6375, 106.3671



80.7398, 80.2948, 105.8507



87.1681, 85.6911, 106.5535



17.6752, 17.7243, 22.7395



12.3194, 5.2614, 49.8008



1.3178, 0.5733, 4.8545

Inverse Universe

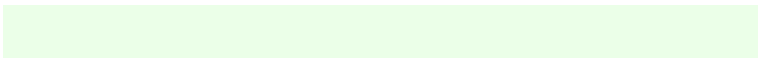
The Inverse Universe completely reimagines the original color for something new.



86.7333, 85.6304, 99.1488



85.0285, 82.7040, 97.0906



84.4844, 94.9557, 90.2236



18.4740, 18.1729, 21.1131



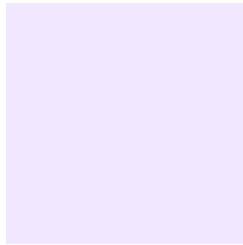
24.7261, 12.3797, 17.7397



2.4612, 1.2268, 2.0100

Previews

White Background



This preview shows how the XYZ color 83.1822, 83.6340, 106.3665 looks on a white background.

Color Contrast Check

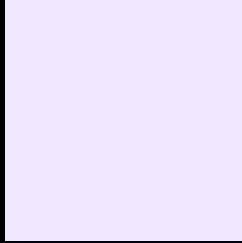
Large Text (above 18pt) WCAG AA × Fail

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 83.1822, 83.6340, 106.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

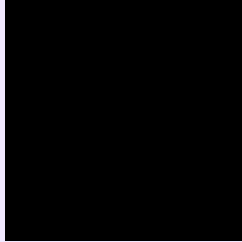
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.1822, 83.6340, 106.3665

Background



This preview shows how black text looks on a background with the XYZ color 83.1822, 83.6340, 106.3665.



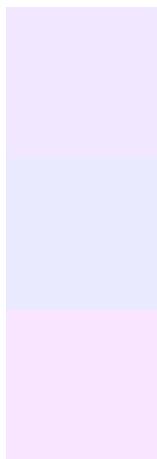
This preview shows how white text looks on a background with the XYZ color 83.1822, 83.6340,

106.3665.

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

83.1822, 83.6340, 106.3665

Protanopia

81.4045, 83.5581, 106.4456

Deuteranopia

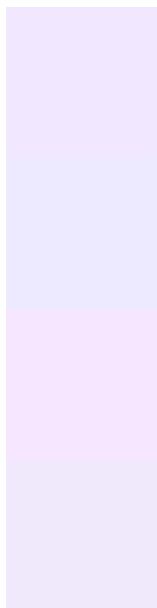
85.1362, 83.3984, 106.2181



Tritanopia

82.4867, 83.7681, 103.0881

Trichromacy



Original Color

83.1822, 83.6340, 106.3665

Protanomaly

82.1140, 83.5024, 106.3974

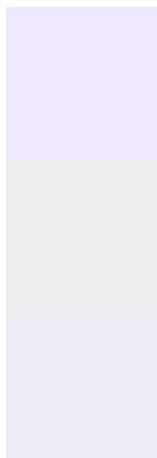
Deuteranomaly

84.3529, 83.4065, 106.2609

Tritanomaly

82.6448, 83.8314, 103.9207

Monochromacy



Original Color

83.1822, 83.6340, 106.3665

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.2974, 84.1255, 97.5410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1822, 83.6340, 106.3665 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(241, 232, 255) looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.1822, 83.6340, 106.3665 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(241, 232, 255) }
```


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

```
.border{ border-color:rgb(241, 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(241, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.1822, 83.6340, 106.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 232, 255) }
```

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

```
.background{ background-color: rgb(241,  
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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