

Converting Colors

XYZ(84.7932, 83.4272,
106.2417)

Have a look what the booklet for
XYZ(84.7932, 83.4272, 106.2417)
contains.

XYZ(85.0582, 83.7701, 106.2939)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.0582, 83.7701,
106.2939)**

Conversions

Conversions Part 1

Format	Color
Hex	F8E6FF
RGB	248, 230, 255
RGB Percent	97%, 90%, 100%
CMY	0.0274, 0.0980, 0.0000
CMYK	0.03, 0.10, 0.00, 0.00
HSL	283°, 100%, 95%
HSV	283°, 10%, 100%
XYZ	85.0582, 83.7701, 106.2939
YIQ	238.2320, 2.7030, 11.5910

Conversions

Conversions Part 2

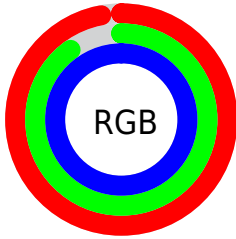
Format	Color
R _Y B	248, 230, 255
Decimal	16312063
CIE Lab	93.35, 10.49, -9.87
CIE LCh	93, 14.404, 316.764
Yxy	83.7701, 0.3092, 0.3045
Android (android.graphics.Color)	4294502143 (0xFF8E6FF)
YUV	238.2320, 8.2666, 8.5665
Hunter-Lab	91.5260, 5.7155, -4.7883

Details

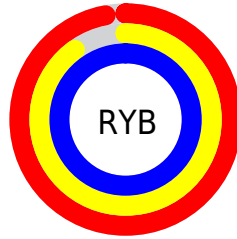
The XYZ color **85.0582, 83.7701, 106.2939** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.9701, 95.2387, 88.7716**, and the grayscale version is **81.3862, 85.6246, 93.2452**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0673, 45.5558, 59.7385** is the 20% darker color. If you saturate the color by 10%, you get **75.9918, 69.3230, 103.9832**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

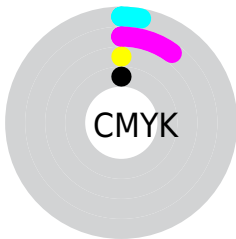
Distribution



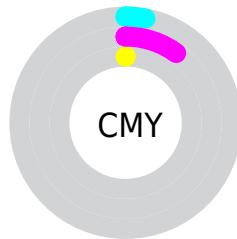
- Red (97%)
- Green (90%)
- Blue (100%)



- Red (97%)
- Yellow (90%)
- Blue (100%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.0582, 83.7701, 106.2939 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 85.0582, 83.7701, 106.2939 by changing the saturation by 10% instead.

85.0582, 83.7701,
106.2939

85.0582, 83.7701,
106.2939

500.3014,
507.5495, 601.6067

64.2121, 62.8256,
80.9211

139.3681,
138.6535, 171.9069

47.0848, 45.7002,
59.9460

173.5626,
173.3613, 212.9842

33.3109, 32.0093,
42.9501

212.9374,
213.4256, 260.1334

22.5251, 21.3686,
29.5148

257.8576,
259.2309, 313.7730

14.3620, 13.3937,
19.2217

308.6888,
311.1615, 374.3216

8.4563, 7.7002,
11.6522

365.7963,

4.4425, 3.9037,

369.6019, 442.1977

6.3876

429.5454,
434.9364, 517.8199

■ 1.9554, 1.6199,
3.0096

■ 0.6087, 0.3709,
1.0995

■ 85.0582, 83.7701,
106.2939

■ 85.0582, 83.7701,
106.2939

■ 75.9918, 69.3230,
103.9832

95.0500, 100.0000,
108.9000

■ 68.0117, 56.9079,
102.0075

■ 61.0711, 46.4314,
100.3511

■ 55.1166, 37.7886,
98.9967

■ 50.0899, 30.8645,
97.9252

■ 45.9260, 25.5308,
97.1151

■ 42.5507, 21.6409,
96.5422

■ 39.8759, 19.0202,
96.1773

■ 37.7611, 17.3896,
95.9740

Harmonies

Analogous

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



81.7450, 83.7701, 112.7280



85.0582, 83.7701, 106.2939



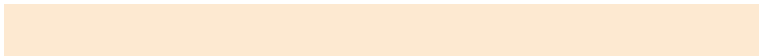
86.9400, 83.7701, 96.0820

Triad

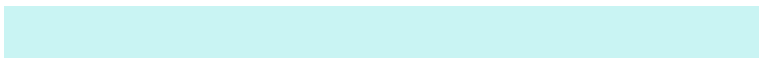
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0582, 83.7701, 106.2939



81.3040, 83.7701, 72.3375



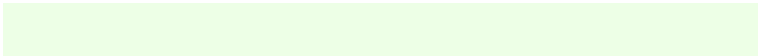
72.8343, 83.7701, 97.3750

Complementary

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



85.0582, 83.7701, 106.2939



84.9701, 95.2387, 88.7716

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.



72.7247, 83.7701, 86.5082



85.0582, 83.7701, 106.2939



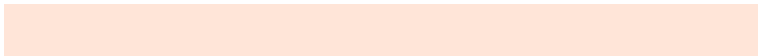
77.5341, 83.7701, 72.6233

Square

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



85.0582, 83.7701, 106.2939



84.7265, 83.7701, 76.8131



74.4205, 83.7701, 77.6277



74.7248, 83.7701, 107.3051

Rectangle

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



85.0582, 83.7701, 106.2939



87.0918, 83.7701, 88.7712



74.4205, 83.7701, 77.6277



72.5901, 83.7701, 93.6959

Sweetspot

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



85.0604, 83.7736, 106.2945



91.8742, 94.8118, 108.0660



80.9945, 84.6630, 106.6805



19.4870, 20.0040, 23.0840



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.



85.0604, 83.7736, 106.2945



82.9711, 80.4176, 105.7569



86.7286, 84.7329, 101.8853



18.2678, 18.0298, 22.7672



19.8633, 9.1504, 50.1539



2.0405, 0.9459, 4.8883

Inverse Universe

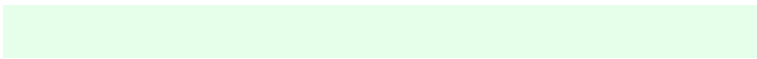
The Inverse Universe completely reimagines the original color for something new.



84.8251, 83.9715, 91.8612



82.7067, 80.6679, 88.2781



83.4513, 94.3665, 92.7329



18.2184, 18.0707, 19.7672



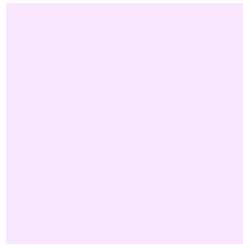
22.2041, 11.3709, 4.4593



2.2061, 1.1248, 0.6667

Previews

White Background



This preview shows how the XYZ color 85.0582, 83.7701, 106.2939 looks on a white background.

Color Contrast Check

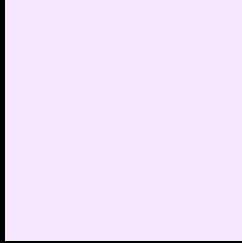
Large Text (above 18pt) WCAG AA × Fail

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 85.0582, 83.7701, 106.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

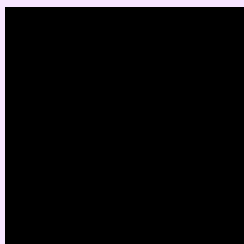
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0582, 83.7701, 106.2939

Background



This preview shows how black text looks on a background with the XYZ color 85.0582, 83.7701, 106.2939.



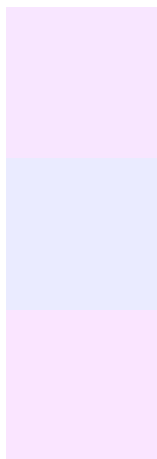
This preview shows how white text looks on a background with the XYZ color 85.0582, 83.7701,

106.2939.

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

85.0582, 83.7701, 106.2939

Protanopia

81.6900, 84.1291, 106.5408

Deuteranopia

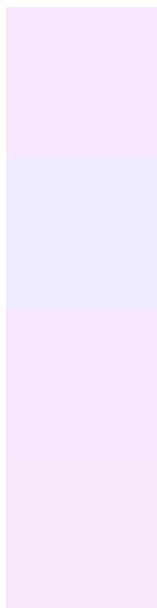
85.4937, 83.5826, 106.2348



Tritanopia

84.0326, 83.7655, 101.3619

Trichromacy



Original Color

85.0582, 83.7701, 106.2939

Protanomaly

82.7855, 83.8485, 106.4289

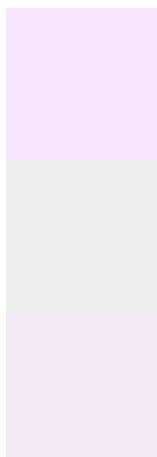
Deuteranomaly

85.1362, 83.3984, 106.2181

Tritanomaly

84.3463, 83.8910, 103.0138

Monochromacy



Original Color

85.0582, 83.7701, 106.2939

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.6554, 84.8256, 97.6045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0582, 83.7701, 106.2939 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(248, 230, 255) looks like.

```
.text, #text, p{  
    color:rgb(248, 230, 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(248, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.0582, 83.7701, 106.2939 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(248, 230, 255) }
```


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

```
.border{ border-color:rgb(248, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(248, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0582, 83.7701, 106.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 230, 255) }
```

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

```
.background{ background-color: rgb(248,  
230, 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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