

Converting Colors

XYZ(84.9837, 84.1460,
106.3704)

Have a look what the booklet for
XYZ(84.9837, 84.1460, 106.3704)
contains.

XYZ(84.9837, 84.1460, 106.3704)	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(84.9837, 84.1460,
106.3704)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E7FF
RGB	247, 231, 255
RGB Percent	97%, 91%, 100%
CMY	0.0314, 0.0941, 0.0000
CMYK	0.03, 0.09, 0.00, 0.00
HSL	280°, 100%, 95%
HSV	280°, 9%, 100%
XYZ	84.9837, 84.1460, 106.3704
YIQ	238.5200, 1.8320, 10.8560

Conversions

Conversions Part 2

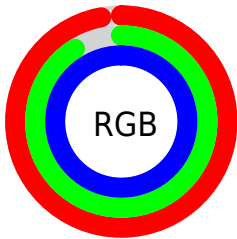
Format	Color
R _Y B	247, 231, 255
Decimal	16246783
CIE Lab	93.51, 9.65, -9.63
CIE LCh	94, 13.634, 315.049
Yxy	84.1460, 0.3085, 0.3054
Android (android.graphics.Color)	4294436863 (0xFF7E7FF)
YUV	238.5200, 8.1246, 7.4370
Hunter-Lab	91.7311, 4.8407, -4.5402

Details

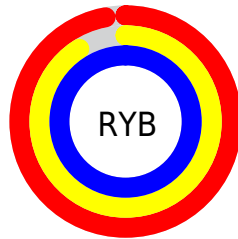
The XYZ color **84.9837, 84.1460, 106.3704** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7825, 95.6412, 89.5449**, and the grayscale version is **81.6110, 85.8611, 93.5028**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0089, 45.8135, 59.7913** is the 20% darker color. If you saturate the color by 10%, you get **75.4311, 69.3891, 104.0255**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

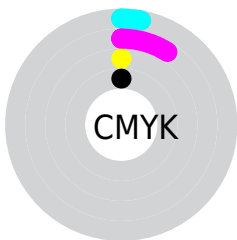
Distribution



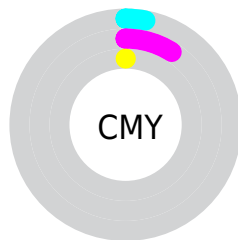
- Red (97%)
- Green (91%)
- Blue (100%)



- Red (97%)
- Yellow (91%)
- Blue (100%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.9837, 84.1460, 106.3704 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 84.9837, 84.1460, 106.3704 by changing the saturation by 10% instead.


 84.9837, 84.1460,
106.3704

 84.9837, 84.1460,
106.3704


500.0586,
508.7979, 601.8496

 64.1504, 63.1360,
80.9849


139.2645,
139.1794, 172.0123

 47.0346, 45.9512,
59.9982


173.4428,
173.9716, 213.1058

 33.2711, 32.2073,
42.9919


212.8000,
214.1266, 260.2723

 22.4944, 21.5199,
29.5474

257.7016,
260.0288, 313.9304

 14.3393, 13.5046,
19.2462

308.5129,
312.0626, 374.4987

 8.4403, 7.7769,
11.6697

365.5992,

 4.4321, 3.9525,

370.6125, 442.3956

6.3994

429.3260,
436.0628, 518.0397

■ 1.9494, 1.6470,
3.0167

■ 0.6053, 0.3890,
1.1032

■ 84.9837, 84.1460,
106.3704

■ 84.9837, 84.1460,
106.3704

■ 75.4311, 69.3891,
104.0255

95.0500, 100.0000,
108.9000

■ 67.0061, 56.6881,
102.0180

■ 59.6610, 45.9495,
100.3324

■ 53.3421, 37.0684,
98.9512

■ 47.9903, 29.9298,
97.8554

■ 43.5401, 24.4056,
97.0237

■ 39.9171, 20.3495,
96.4317

■ 37.0328, 17.5880,
96.0507

■ 34.7525, 15.8547,
95.8363

Harmonies

Analogous

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



81.7911, 84.1460, 112.1549



84.9837, 84.1460, 106.3704



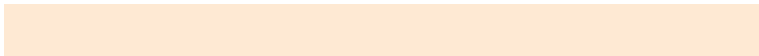
86.8623, 84.1460, 96.8372

Triad

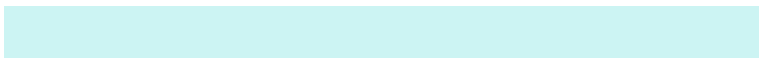
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9837, 84.1460, 106.3704



81.7795, 84.1460, 73.7519



73.4707, 84.1460, 96.8711

Complementary

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



84.9837, 84.1460, 106.3704



85.7825, 95.6412, 89.5449

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.



73.4678, 84.1460, 86.5950



84.9837, 84.1460, 106.3704



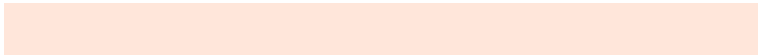
78.1923, 84.1460, 73.7595

Square

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



84.9837, 84.1460, 106.3704



84.9750, 84.1460, 78.2801



75.1733, 84.1460, 78.3017



75.1813, 84.1460, 106.3969

Rectangle

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



84.9837, 84.1460, 106.3704



87.0820, 84.1460, 89.8851



75.1733, 84.1460, 78.3017



73.2717, 84.1460, 93.3785

Sweetspot

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



84.9859, 84.1495, 106.3710



91.7260, 94.7354, 108.0590



81.9917, 86.1795, 106.9206



19.4469, 19.9833, 23.0822



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.



84.9859, 84.1495, 106.3710



83.3888, 81.6604, 105.9747



87.2934, 85.4054, 103.4825



18.1699, 17.9793, 22.7626



18.2585, 8.3231, 50.0788



1.8937, 0.8702, 4.8814

Inverse Universe

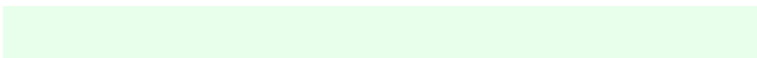
The Inverse Universe completely reimagines the original color for something new.



85.3981, 84.6472, 93.5019



83.8794, 82.2444, 91.0395



83.6552, 94.4852, 92.1266



18.2591, 18.0870, 19.9815



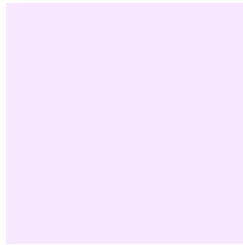
22.4671, 11.4761, 5.8443



2.2358, 1.1367, 0.8233

Previews

White Background



This preview shows how the XYZ color 84.9837, 84.1460, 106.3704 looks on a white background.

Color Contrast Check

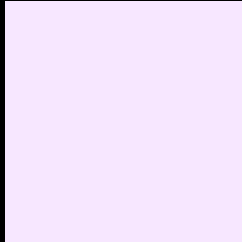
Large Text (above 18pt) WCAG AA × Fail

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 84.9837, 84.1460, 106.3704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

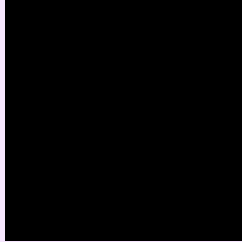
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

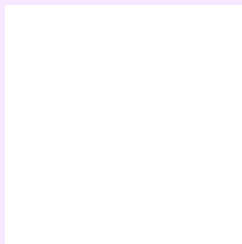
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9837, 84.1460, 106.3704

Background



This preview shows how black text looks on a background with the XYZ color 84.9837, 84.1460, 106.3704.



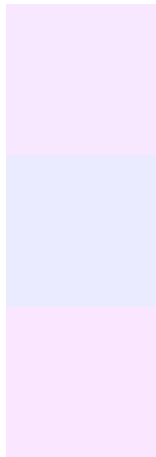
This preview shows how white text looks on a background with the XYZ color 84.9837, 84.1460,

106.3704.

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

84.9837, 84.1460, 106.3704

Protanopia

82.0193, 84.2988, 106.5562

Deuteranopia

86.1305, 84.3229, 106.3441



Tritanopia

84.1180, 84.2082, 102.2628

Trichromacy



Original Color

84.9837, 84.1460, 106.3704

Protanomaly

83.0694, 84.4164, 106.5235

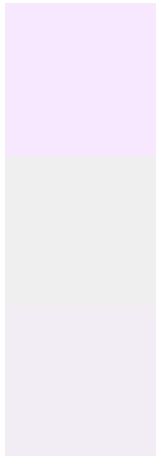
Deuteranomaly

85.7712, 84.1376, 106.3273

Tritanomaly

84.4333, 84.3343, 103.9235

Monochromacy



Original Color

84.9837, 84.1460, 106.3704

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

83.0948, 85.4607, 98.5022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9837, 84.1460, 106.3704 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(247, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(247, 231, 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(247, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 231, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.9837, 84.1460, 106.3704 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(247, 231, 255) }
```


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

```
.border{ border-color:rgb(247, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 231,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9837, 84.1460, 106.3704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 231, 255) }
```

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

```
.background{ background-color: rgb(247,  
231, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor