

Converting Colors

XYZ(84.9799, 84.5816,
106.4547)

Have a look what the booklet for
XYZ(84.9799, 84.5816, 106.4547)
contains.

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Color

**XYZ(84.9126, 84.5261,
106.4475)**

Conversions

Conversions Part 1

Format	Color
Hex	F6E8FF
RGB	246, 232, 255
RGB Percent	96%, 91%, 100%
CMY	0.0353, 0.0902, 0.0000
CMYK	0.04, 0.09, 0.00, 0.00
HSL	277°, 100%, 95%
HSV	277°, 9%, 100%
XYZ	84.9126, 84.5261, 106.4475
YIQ	238.8080, 0.9610, 10.1210

Conversions

Conversions Part 2

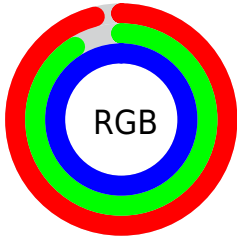
Format	Color
R _Y B	246, 232, 255
Decimal	16181503
CIE Lab	93.68, 8.80, -9.40
CIE LCh	94, 12.877, 313.138
Yxy	84.5261, 0.3078, 0.3064
Android (android.graphics.Color)	4294371583 (0xFF6E8FF)
YUV	238.8080, 7.9827, 6.3074
Hunter-Lab	91.9381, 3.9682, -4.2903

Details

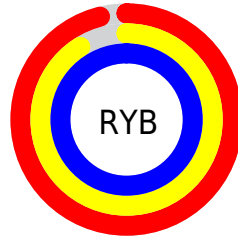
The XYZ color **84.9126, 84.5261, 106.4475** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.6034, 96.0480, 90.3229**, and the grayscale version is **81.8362, 86.0980, 93.7608**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9536, 46.0750, 59.8447** is the 20% darker color. If you saturate the color by 10%, you get **74.8428, 69.4433, 104.0670**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

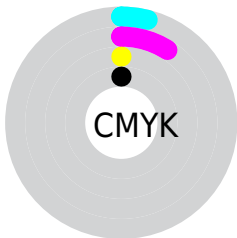
Distribution



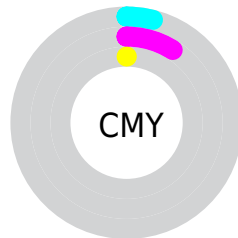
- Red (96%)
- Green (91%)
- Blue (100%)



- 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 84.9126, 84.5261, 106.4475 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 84.9126, 84.5261, 106.4475 by changing the saturation by 10% instead.

84.9126, 84.5261,
106.4475

84.9126, 84.5261,
106.4475

499.8269,
510.0586, 602.0944

64.0914, 63.4499,
81.0491

139.1657,
139.7109, 172.1185

46.9867, 46.2053,
60.0508

173.3284,
174.5882, 213.2283

33.2330, 32.4078,
43.0340

212.6689,
214.8347, 260.4123

22.4651, 21.6732,
29.5802

257.5526,
260.8348, 314.0890

14.3176, 13.6170,
19.2708

308.3449,
312.9729, 374.6771

8.4250, 7.8547,
11.6874

365.4112,

4.4222, 4.0021,

371.6332, 442.5950

6.4112

429.1167,
437.2004, 518.2612

■ 1.9436, 1.6748,
3.0239

■ 0.6020, 0.4072,
1.1069

■ 84.9126, 84.5261,
106.4475

■ 84.9126, 84.5261,
106.4475

■ 74.8428, 69.4433,
104.0670

95.0500, 100.0000,
108.9000

■ 65.9527, 56.4459,
102.0268

■ 58.1937, 45.4402,
100.3114

■ 51.5107, 36.3209,
98.9035

■ 45.8440, 28.9728,
97.7838

■ 41.1271, 23.2679,
96.9313

■ 37.2843, 19.0600,
96.3216

■ 34.2268, 16.1761,
95.9261

■ 31.8243, 14.3613,
95.7024

Harmonies

Analogous

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



81.8410, 84.5261, 111.5854



84.9126, 84.5261, 106.4475



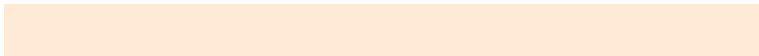
86.7876, 84.5261, 97.5968

Triad

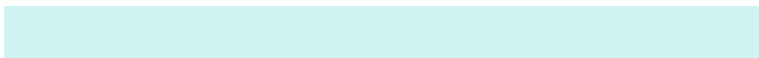
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9126, 84.5261, 106.4475



82.2589, 84.5261, 75.1881



74.1144, 84.5261, 96.3747

Complementary

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



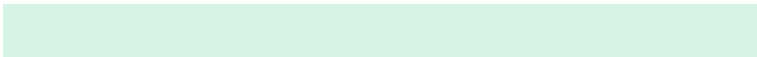
84.9126, 84.5261, 106.4475



86.6034, 96.0480, 90.3229

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.



74.2190, 84.5261, 86.6878



84.9126, 84.5261, 106.4475



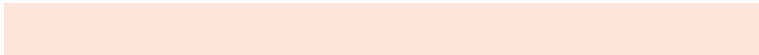
78.8565, 84.5261, 74.9121

Square

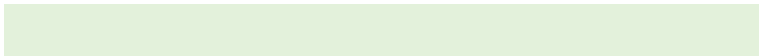
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9126, 84.5261, 106.4475



85.2260, 84.5261, 79.7678



75.9337, 84.5261, 78.9851



75.6435, 84.5261, 105.4985

Rectangle

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



84.9126, 84.5261, 106.4475



87.0747, 84.5261, 91.0091



75.9337, 84.5261, 78.9851



73.9609, 84.5261, 93.0677

Sweetspot

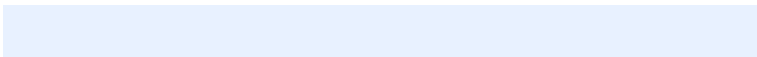
The Sweet Spot groups the original color and five complimentary colors.



84.9148, 84.5296, 106.4481



91.5651, 94.6524, 108.0515



82.8462, 87.4079, 107.1127



19.4034, 19.9609, 23.0801



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.



84.9148, 84.5296, 106.4481



82.8216, 81.3680, 105.9482



87.7802, 86.0493, 104.6613



18.0642, 17.9248, 22.7577



16.6882, 7.5136, 50.0053



1.7476, 0.7948, 4.8746

Inverse Universe

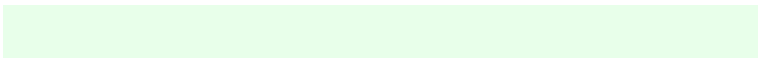
The Inverse Universe completely reimagines the original color for something new.



85.9761, 85.3276, 95.1609



84.1173, 82.3396, 92.2923



83.9358, 94.6349, 91.9145



18.3037, 18.1048, 20.2164



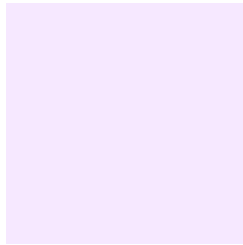
22.8134, 11.6147, 7.6679



2.2730, 1.1516, 1.0192

Previews

White Background



This preview shows how the XYZ color 84.9126, 84.5261, 106.4475 looks on a white background.

Color Contrast Check

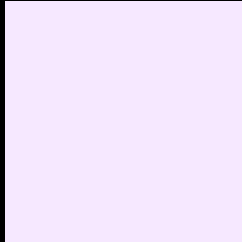
Large Text (above 18pt) WCAG AA × Fail

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 84.9126, 84.5261, 106.4475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

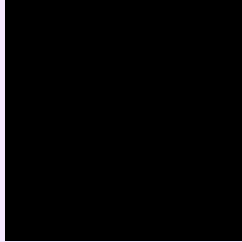
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

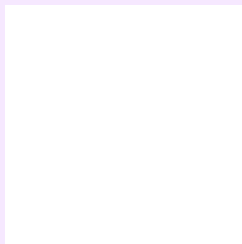
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9126, 84.5261, 106.4475

Background



This preview shows how black text looks on a background with the XYZ color 84.9126, 84.5261, 106.4475.



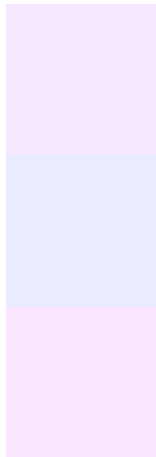
This preview shows how white text looks on a background with the XYZ color 84.9126, 84.5261,

106.475.

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

84.9126, 84.5261, 106.4475

Protanopia

82.0193, 84.2988, 106.5562

Deuteranopia

86.1305, 84.3229, 106.3441



Tritanopia

84.2077, 84.6553, 103.1687

Trichromacy



Original Color

84.9126, 84.5261, 106.4475

Protanomaly

83.0694, 84.4164, 106.5235

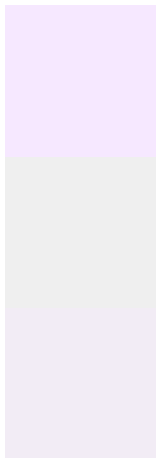
Deuteranomaly

85.6928, 84.5116, 106.4036

Tritanomaly

84.3658, 84.7186, 104.0012

Monochromacy



Original Color

84.9126, 84.5261, 106.4475

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 84.9126, 84.5261, 106.4475 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(246, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 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(246, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.9126, 84.5261, 106.4475 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(246, 232, 255) }
```


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

```
.border{ border-color:rgb(246, 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(246, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9126, 84.5261, 106.4475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 232, 255) }
```

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

```
.background{ background-color: rgb(246,  
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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