

Converting Colors

XYZ(85.8336, 86.2713,
106.7358)

Have a look what the booklet for
XYZ(85.8336, 86.2713, 106.7358)
contains.

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Color

**XYZ(85.7644, 86.2295,
106.7314)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EBFF
RGB	246, 235, 255
RGB Percent	96%, 92%, 100%
CMY	0.0353, 0.0784, 0.0000
CMYK	0.04, 0.08, 0.00, 0.00
HSL	273°, 100%, 96%
HSV	273°, 8%, 100%
XYZ	85.7644, 86.2295, 106.7314
YIQ	240.5690, 0.1360, 8.5520

Conversions

Conversions Part 2

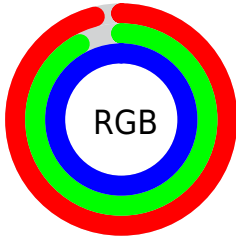
Format	Color
R _Y B	246, 235, 255
Decimal	16182271
CIE Lab	94.41, 7.26, -8.31
CIE LCh	94, 11.032, 311.120
Yxy	86.2295, 0.3077, 0.3094
Android (android.graphics.Color)	4294372351 (0xFFFF6EBFF)
YUV	240.5690, 7.1145, 4.7630
Hunter-Lab	92.8598, 2.3561, -3.1450

Details

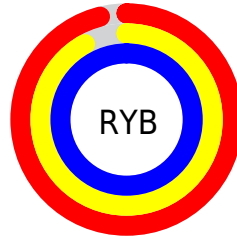
The XYZ color **85.7644, 86.2295, 106.7314** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0657, 96.7522, 92.6350**, and the grayscale version is **83.2183, 87.5522, 95.3443**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5483, 47.2646, 60.0430** is the 20% darker color. If you saturate the color by 10%, you get **75.0794, 70.6511, 104.2877**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

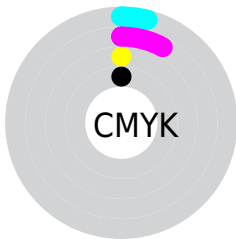
Distribution



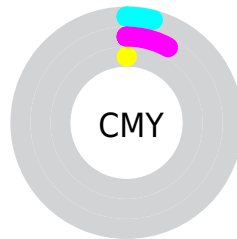
- Red (96%)
- Green (92%)
- Blue (100%)



- Red (96%)
- Yellow (92%)
- Blue (100%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7644, 86.2295, 106.7314 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 85.7644, 86.2295, 106.7314 by changing the saturation by 10% instead.

85.7644, 86.2295,
106.7314

85.7644, 86.2295,
106.7314

502.5997,
515.6877, 602.9953

64.7978, 64.8578,
81.2859

140.3492,
142.0897, 172.5096

47.5612, 47.3458,
60.2447

174.6981,
177.3470, 213.6794

33.6893, 33.3091,
43.1893

214.2384,
218.0015, 260.9276

22.8168, 22.3633,
29.7012

259.3356,
264.4378, 314.6729

14.5782, 14.1241,
19.3618

310.3550,
317.0401, 375.3338

8.6083, 8.2070,
11.7525

367.6619,

4.5416, 4.2277,

376.1930, 443.3288

6.4549

431.6217,
442.2807, 519.0765

■ 2.0129, 1.8017,
3.0504

■ 0.6412, 0.4883,
1.1204

■ 85.7644, 86.2295,
106.7314

■ 85.7644, 86.2295,
106.7314

■ 75.0794, 70.6511,
104.2877

95.0500, 100.0000,
108.9000

■ 65.6386, 57.1993,
102.1888

■ 57.3922, 45.7805,
100.4194

■ 50.2842, 36.2896,
98.9621

■ 44.2535, 28.6118,
97.7980

■ 39.2328, 22.6199,
96.9060

■ 35.1459, 18.1692,
96.2623

■ 31.9039, 15.0895,
95.8388

■ 29.3891, 13.1542,
95.5978

Harmonies

Analogous

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



83.0627, 86.2295, 110.8349



85.7644, 86.2295, 106.7314



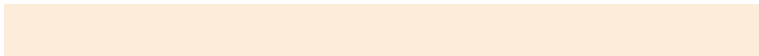
87.4709, 86.2295, 99.2712

Triad

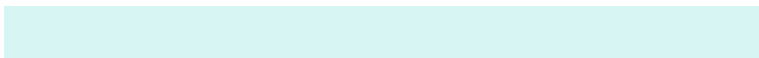
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7644, 86.2295, 106.7314



83.8168, 86.2295, 79.2751



76.4920, 86.2295, 97.0728

Complementary

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



85.7644, 86.2295, 106.7314



88.0657, 96.7522, 92.6350

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.



76.6828, 86.2295, 88.7054



85.7644, 86.2295, 106.7314



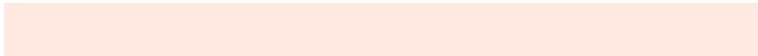
80.8642, 86.2295, 78.7654

Square

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



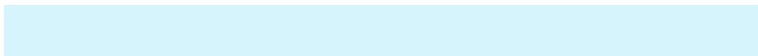
85.7644, 86.2295, 106.7314



86.3279, 86.2295, 83.5580



78.2670, 86.2295, 82.1209



77.7392, 86.2295, 105.0388

Rectangle

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



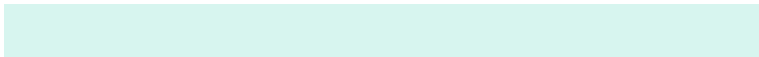
85.7644, 86.2295, 106.7314



87.7904, 86.2295, 93.5706



78.2670, 86.2295, 82.1209



76.3909, 86.2295, 94.2086

Sweetspot

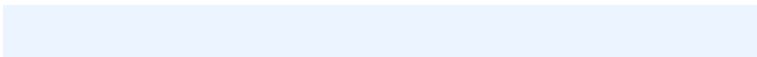
The Sweet Spot groups the original color and five complimentary colors.



85.7667, 86.2331, 106.7320



92.6052, 96.3564, 108.3256



84.7648, 89.7871, 107.4708



19.8470, 20.6624, 23.1921



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.



85.7667, 86.2331, 106.7320



84.4625, 84.3149, 106.4305



88.8928, 87.8571, 106.3192



17.9581, 17.8701, 22.7527



15.2786, 6.7869, 49.9393



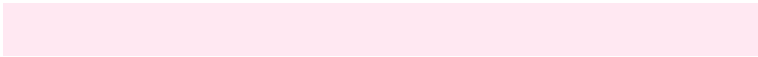
1.6135, 0.7257, 4.8683

Inverse Universe

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



87.2796, 87.2118, 97.8243



86.1946, 85.4349, 96.2502



85.1155, 95.2202, 93.0006



18.3492, 18.1230, 20.4559



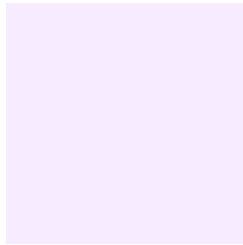
23.2313, 11.7818, 9.8682



2.3161, 1.1688, 1.2459

Previews

White Background



This preview shows how the XYZ color 85.7644, 86.2295, 106.7314 looks on a white background.

Color Contrast Check

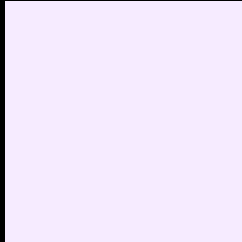
Large Text (above 18pt) WCAG AA × Fail

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 85.7644, 86.2295, 106.7314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

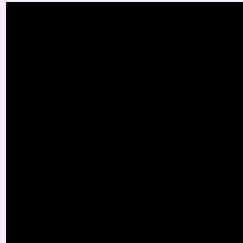
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

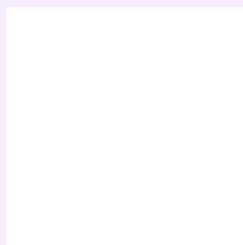
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.7644, 86.2295, 106.7314

Background



This preview shows how black text looks on a background with the XYZ color 85.7644, 86.2295, 106.7314.



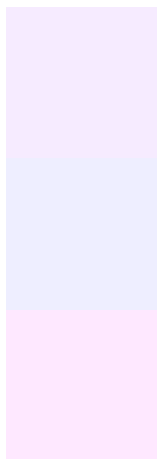
This preview shows how white text looks on a background with the XYZ color 85.7644, 86.2295,

106.7314.

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

85.7644, 86.2295, 106.7314

Protanopia

83.8844, 86.5462, 106.8916

Deuteranopia

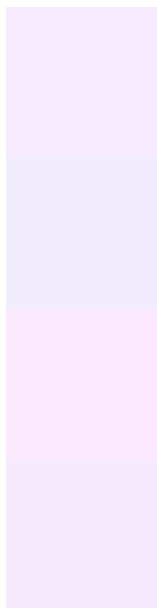
87.7797, 86.0041, 106.5817



Tritanopia

85.6038, 86.1652, 105.8857

Trichromacy



Original Color

85.7644, 86.2295, 106.7314

Protanomaly

84.6098, 86.4891, 106.8424

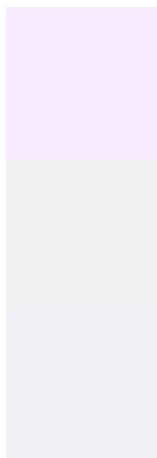
Deuteranomaly

86.9726, 86.0071, 106.6248

Tritanomaly

85.6038, 86.1652, 105.8857

Monochromacy



Original Color

85.7644, 86.2295, 106.7314

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.4632, 87.4415, 99.6150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7644, 86.2295, 106.7314 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, 235, 255) looks like.

```
.text, #text, p{  
    color:rgb(246, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.7644, 86.2295, 106.7314 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, 235, 255) }
```


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

```
.border{ border-color:rgb(246, 235, 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, 235, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7644, 86.2295, 106.7314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 235, 255) }
```

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

```
.background{ background-color: rgb(246,  
235, 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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