

Converting Colors

XYZ(86.7837, 86.5565,
106.6056)

Have a look what the booklet for
XYZ(86.7837, 86.5565, 106.6056)
contains.

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Color

**XYZ(86.8253, 86.7764,
106.7811)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EBFF
RGB	249, 235, 255
RGB Percent	98%, 92%, 100%
CMY	0.0235, 0.0784, 0.0000
CMYK	0.02, 0.08, 0.00, 0.00
HSL	282°, 100%, 96%
HSV	282°, 8%, 100%
XYZ	86.8253, 86.7764, 106.7811
YIQ	241.4660, 1.9240, 9.1880

Conversions

Conversions Part 2

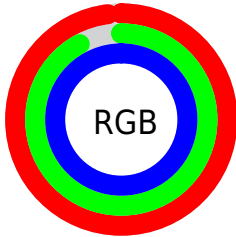
Format	Color
R _Y B	249, 235, 255
Decimal	16378879
CIE Lab	94.64, 8.24, -7.94
CIE LCh	95, 11.440, 316.045
Yxy	86.7764, 0.3097, 0.3095
Android (android.graphics.Color)	4294568959 (0xFF9EBFF)
YUV	241.4660, 6.6723, 6.6073
Hunter-Lab	93.1539, 3.3541, -2.7557

Details

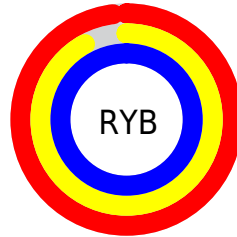
The XYZ color **86.8253, 86.7764, 106.7811** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0331, 96.2199, 92.5867**, and the grayscale version is **83.9263, 88.2970, 96.1554**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3055, 47.6549, 60.0784** is the 20% darker color. If you saturate the color by 10%, you get **77.3707, 71.8323, 104.3949**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

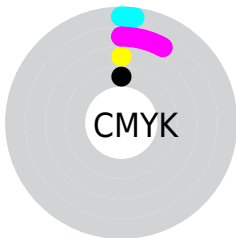
Distribution



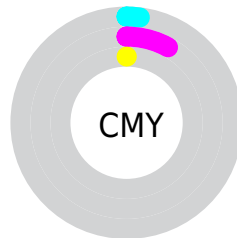
- Red (98%)
- Green (92%)
- Blue (100%)



- Red (98%)
- Yellow (92%)
- Blue (100%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.8253, 86.7764, 106.7811 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 86.8253, 86.7764, 106.7811 by changing the saturation by 10% instead.

86.8253, 86.7764,
106.7811

86.8253, 86.7764,
106.7811

506.0418,
517.4878, 603.1529

65.6782, 65.3102,
81.3273

141.8215,
142.8524, 172.5780

48.2780, 47.7126,
60.2786

176.4014,
178.2310, 213.7583

34.2592, 33.5994,
43.2165

216.1895,
219.0159, 261.0178

23.2566, 22.5860,
29.7224

261.5512,
265.5914, 314.7751

14.9049, 14.2881,
19.3777

312.8520,
318.3420, 375.4487

8.8385, 8.3213,
11.7639

370.4571,

4.6923, 4.3012,

377.6520, 443.4572

6.4626

434.7319,
443.9058, 519.2191

■ 2.1007, 1.8435,
3.0550

■ 0.6896, 0.5140,
1.1228

■ 86.8253, 86.7764,
106.7811

■ 86.8253, 86.7764,
106.7811

■ 77.3707, 71.8323,
104.3949

95.0500, 100.0000,
108.9000

■ 69.0258, 58.9455,
102.3473

■ 61.7439, 48.0239,
100.6230

■ 55.4725, 38.9643,
99.2049

■ 50.1539, 31.6536,
98.0741

■ 45.7246, 25.9665,
97.2098

■ 42.1120, 21.7603,
96.5883

■ 39.2310, 18.8668,
96.1817

■ 36.9682, 17.0614,
95.9525

Harmonies

Analogous

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



84.1297, 86.7764, 111.7805



86.8253, 86.7764, 106.7811



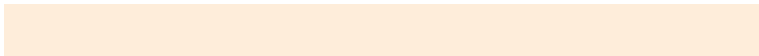
88.3736, 86.7764, 98.6437

Triad

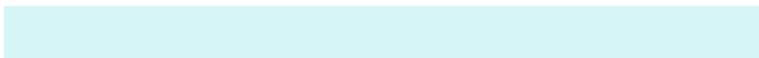
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8253, 86.7764, 106.7811



83.9180, 86.7764, 78.9296



76.9047, 86.7764, 99.2612

Complementary

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



86.8253, 86.7764, 106.7811



87.0331, 96.2199, 92.5867

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.



76.8513, 86.7764, 90.4444



86.8253, 86.7764, 106.7811



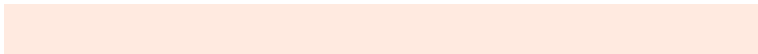
80.8488, 86.7764, 79.0720

Square

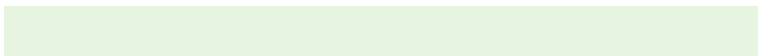
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8253, 86.7764, 106.7811



86.6670, 86.7764, 82.7686



78.2790, 86.7764, 83.1706



78.4269, 86.7764, 107.2574

Rectangle

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



86.8253, 86.7764, 106.7811



88.5226, 86.7764, 92.7060



78.2790, 86.7764, 83.1706



76.7157, 86.7764, 96.2861

Sweetspot

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



86.8276, 86.7800, 106.7817



92.8839, 96.5001, 108.3386



83.7693, 87.7961, 107.1390



19.9037, 20.6917, 23.1948



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.



86.8276, 86.7800, 106.7817



85.6730, 84.9389, 106.4871



88.3627, 87.6450, 103.5277



18.2310, 18.0108, 22.7655



19.2435, 8.8309, 50.1249



1.9841, 0.9168, 4.8857

Inverse Universe

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



86.8277, 87.0310, 95.4444



85.6810, 85.2295, 93.5459



85.6035, 95.4154, 95.5701



18.2336, 18.0768, 19.8473



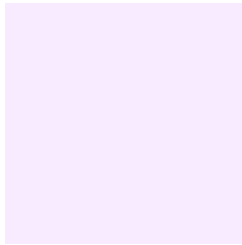
22.2966, 11.4080, 4.9466



2.2167, 1.1291, 0.7228

Previews

White Background



This preview shows how the XYZ color 86.8253, 86.7764, 106.7811 looks on a white background.

Color Contrast Check

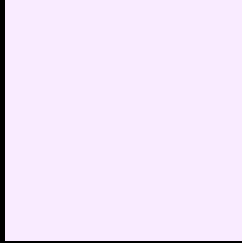
Large Text (above 18pt) WCAG AA × Fail

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 86.8253, 86.7764, 106.7811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

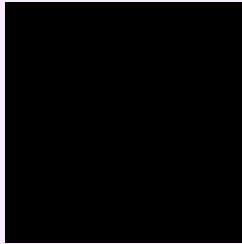
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

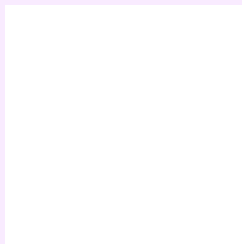
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8253, 86.7764, 106.7811

Background



This preview shows how black text looks on a background with the XYZ color 86.8253, 86.7764, 106.7811.



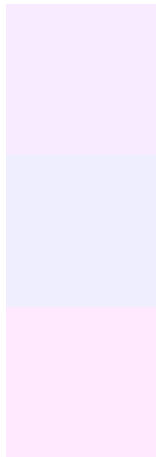
This preview shows how white text looks on a background with the XYZ color 86.8253, 86.7764,

106.7311.

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

86.8253, 86.7764, 106.7811

Protanopia

84.2211, 86.7198, 106.9074

Deuteranopia

88.4289, 86.7578, 106.6930



Tritanopia

86.6646, 86.7122, 105.9353

Trichromacy



Original Color

86.8253, 86.7764, 106.7811

Protanomaly

85.2963, 86.8431, 106.8745

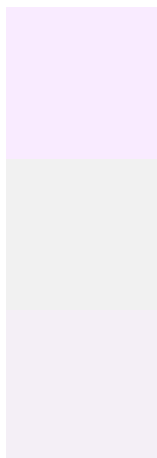
Deuteranomaly

87.9808, 86.9483, 106.7533

Tritanomaly

86.6646, 86.7122, 105.9353

Monochromacy



Original Color

86.8253, 86.7764, 106.7811

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.8093, 87.6199, 99.6312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8253, 86.7764, 106.7811 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(249, 235, 255) looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 235, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.8253, 86.7764, 106.7811 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(249, 235, 255) }
```


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

```
.border{ border-color:rgb(249, 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(249, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 235,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8253, 86.7764, 106.7811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 235, 255) }
```

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

```
.background{ background-color: rgb(249,  
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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