

Converting Colors

XYZ(86.1708, 87.1154,
106.8810)

Have a look what the booklet for
XYZ(86.1708, 87.1154, 106.8810)
contains.

XYZ(86.3402, 87.3812, 106.9234)	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(86.3402, 87.3812,
106.9234)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EDFF
RGB	246, 237, 255
RGB Percent	96%, 93%, 100%
CMY	0.0353, 0.0706, 0.0000
CMYK	0.04, 0.07, 0.00, 0.00
HSL	270°, 100%, 96%
HSV	270°, 7%, 100%
XYZ	86.3402, 87.3812, 106.9234
YIQ	241.7430, -0.4140, 7.5060

Conversions

Conversions Part 2

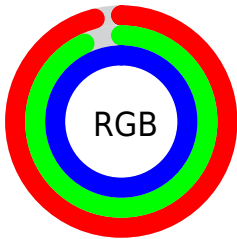
Format	Color
R _Y B	246, 237, 255
Decimal	16182783
CIE Lab	94.90, 6.22, -7.59
CIE LCh	95, 9.813, 309.369
Yxy	87.3812, 0.3076, 0.3114
Android (android.graphics.Color)	4294372863 (0xFF6EDFF)
YUV	241.7430, 6.5357, 3.7334
Hunter-Lab	93.4779, 1.2839, -2.3835

Details

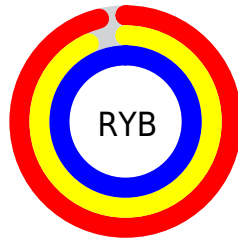
The XYZ color **86.3402, 87.3812, 106.9234** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0543, 97.2283, 94.1984**, and the grayscale version is **84.1472, 88.5294, 96.4086**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9521, 48.0721, 60.1776** is the 20% darker color. If you saturate the color by 10%, you get **75.1561, 71.4260, 104.4332**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

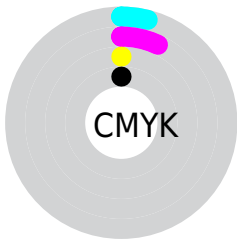
Distribution



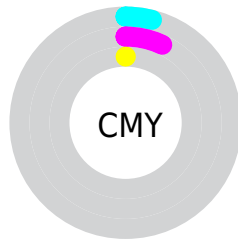
- Red (96%)
- Green (93%)
- Blue (100%)



- Red (96%)
- Yellow (93%)
- Blue (100%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.3402, 87.3812, 106.9234 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 86.3402, 87.3812, 106.9234 by changing the saturation by 10% instead.

86.3402, 87.3812,
106.9234

86.3402, 87.3812,
106.9234

504.4694,
519.4747, 603.6042

65.2755, 65.8107,
81.4460

141.1485,
143.6953, 172.7740

47.9501, 48.1188,
60.3759

175.6229,
179.2078, 213.9843

33.9984, 33.9209,
43.2944

215.2979,
220.1364, 261.2760

23.0553, 22.8329,
29.7830

260.5388,
266.8654, 315.0676

14.7552, 14.4702,
19.4233

311.7111,
319.7794, 375.7777

8.7330, 8.4484,
11.7967

369.1801,

4.6231, 4.3832,

379.2627, 443.8248

6.4845

433.3111,
445.6996, 519.6275

■ 2.0604, 1.8901,
3.0684

■ 0.6675, 0.5424,
1.1296

■ 86.3402, 87.3812,
106.9234

■ 86.3402, 87.3812,
106.9234

■ 75.1561, 71.4260,
104.4332

95.0500, 100.0000,
108.9000

■ 65.2764, 57.6338,
102.2917

■ 56.6500, 45.9106,
100.4836

■ 49.2193, 36.1510,
98.9914

■ 42.9218, 28.2403,
97.7964

■ 37.6888, 22.0511,
96.8776

■ 33.4427, 17.4394,
96.2113

■ 30.0937, 14.2363,
95.7695

■ 27.5284, 12.2272,
95.5169

Harmonies

Analogous

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



83.8887, 87.3812, 110.3412



86.3402, 87.3812, 106.9234



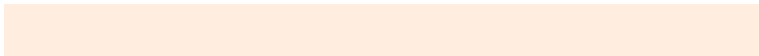
87.9328, 87.3812, 100.3987

Triad

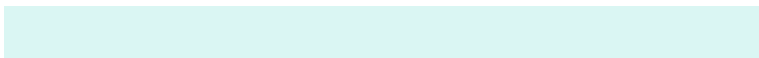
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.3402, 87.3812, 106.9234



84.8685, 87.3812, 82.0815



78.1079, 87.3812, 97.5481

Complementary

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



86.3402, 87.3812, 106.9234



89.0543, 97.2283, 94.1984

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.



78.3576, 87.3812, 90.0745



86.3402, 87.3812, 106.9234



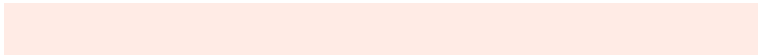
82.2233, 87.3812, 81.4091

Square

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



86.3402, 87.3812, 106.9234



87.0706, 87.3812, 86.1503



79.8507, 87.3812, 84.2618



79.1613, 87.3812, 104.7412

Rectangle

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



86.3402, 87.3812, 106.9234



88.2737, 87.3812, 95.3046



79.8507, 87.3812, 84.2618



78.0427, 87.3812, 94.9821

Sweetspot

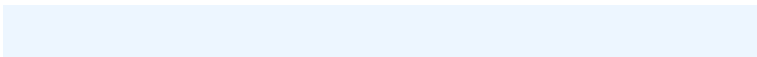
The Sweet Spot groups the original color and five complimentary colors.



86.3425, 87.3848, 106.9240



92.5125, 96.3086, 108.3212



86.0249, 91.3214, 107.7005



19.8281, 20.6527, 23.1913



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.



86.3425, 87.3848, 106.9240



85.2299, 85.7842, 106.6736



89.4656, 88.9949, 107.0701



17.8683, 17.8238, 22.7485



14.2148, 6.2385, 49.8895



1.5100, 0.6723, 4.8635

Inverse Universe

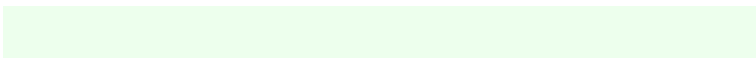
The Inverse Universe completely reimagines the original color for something new.



88.1610, 88.4858, 99.6249



87.2850, 87.0283, 98.4249



86.0741, 95.6919, 94.0589



18.3882, 18.1386, 20.6616



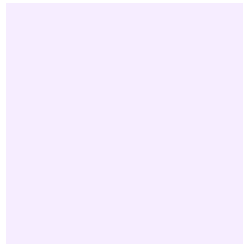
23.6434, 11.9467, 12.0387



2.3572, 1.1853, 1.4624

Previews

White Background



This preview shows how the XYZ color 86.3402, 87.3812, 106.9234 looks on a white background.

Color Contrast Check

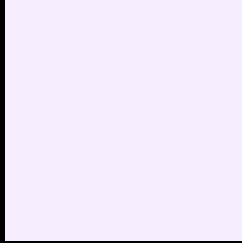
Large Text (above 18pt) WCAG AA × Fail

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 86.3402, 87.3812, 106.9234 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 86.3402, 87.3812, 106.9234

Background



This preview shows how black text looks on a background with the XYZ color 86.3402, 87.3812, 106.9234.



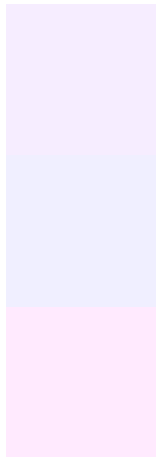
This preview shows how white text looks on a background with the XYZ color 86.3402, 87.3812,

106.9234.

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

86.3402, 87.3812, 106.9234

Protanopia

84.8517, 87.4783, 107.0206

Deuteranopia

88.5522, 87.2614, 105.9419



Tritanopia

86.3402, 87.3812, 106.9234

Trichromacy



Original Color

86.3402, 87.3812, 106.9234

Protanomaly

85.2425, 87.2463, 106.9552

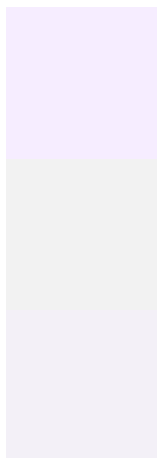
Deuteranomaly

87.7426, 87.2679, 105.9858

Tritanomaly

86.3402, 87.3812, 106.9234

Monochromacy



Original Color

86.3402, 87.3812, 106.9234

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.9107, 88.0903, 100.5235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.3402, 87.3812, 106.9234 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, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 237, 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, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.3402, 87.3812, 106.9234 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, 237, 255) }
```


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

```
.border{ border-color:rgb(246, 237, 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, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.3402, 87.3812, 106.9234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 237, 255) }
```

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

```
.background{ background-color: rgb(246,  
237, 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