

Converting Colors

XYZ(90.3428, 85.1253,
137.1713)

Have a look what the booklet for
XYZ(90.3428, 85.1253, 137.1713)
contains.

XYZ(84.5048, 82.6633, 106.1095)	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(84.5048, 82.6633,
106.1095)**

Conversions

Conversions Part 1

Format	Color
Hex	F8E4FF
RGB	248, 228, 255
RGB Percent	97%, 89%, 100%
CMY	0.0274, 0.1059, 0.0000
CMYK	0.03, 0.11, 0.00, 0.00
HSL	284°, 100%, 95%
HSV	284°, 11%, 100%
XYZ	84.5048, 82.6633, 106.1095
YIQ	237.0580, 3.2530, 12.6370

Conversions

Conversions Part 2

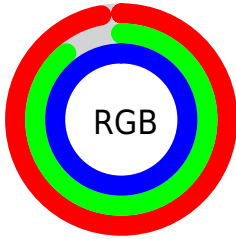
Format	Color
R _Y B	248, 228, 255
Decimal	16311551
CIE Lab	92.87, 11.53, -10.59
CIE LCh	93, 15.654, 317.448
Yxy	82.6633, 0.3092, 0.3025
Android (android.graphics.Color)	4294501631 (0xFF8E4FF)
YUV	237.0580, 8.8454, 9.5961
Hunter-Lab	90.9194, 6.7976, -5.5522

Details

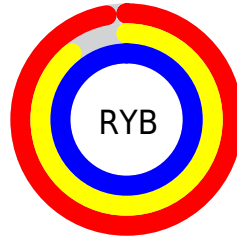
The XYZ color **84.5048, 82.6633, 106.1095** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.0267, 94.7846, 87.2696**, and the grayscale version is **80.4752, 84.6662, 92.2015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8748, 45.1708, 59.6744** is the 20% darker color. If you saturate the color by 10%, you get **75.6986, 68.4684, 103.8337**, and if you desaturate by 10%, it is **94.4328, 98.9769, 108.7351**.

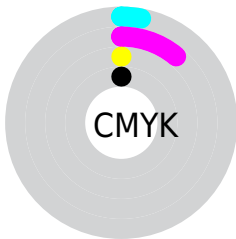
Distribution



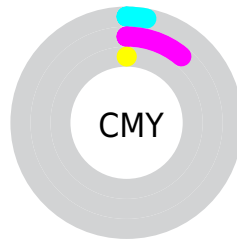
- Red (97%)
- Green (89%)
- Blue (100%)



- Red (97%)
- Yellow (89%)
- Blue (100%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.5048, 82.6633, 106.1095 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 84.5048, 82.6633, 106.1095 by changing the saturation by 10% instead.


 84.5048, 82.6633,
106.1095

 84.5048, 82.6633,
106.1095


498.4964,
503.8637, 601.0209

 63.7534, 61.9124,
80.7673


138.5987,
137.1038, 171.6528

 46.7119, 44.9619,
59.8201


172.6719,
171.5622, 212.6911

 33.0150, 31.4275,
42.8493


211.9165,
211.3586, 259.7985

 22.2972, 20.9246,
29.4364

256.6977,
256.8773, 313.3935

 14.1933, 13.0689,
19.1628

307.3809,
308.5028, 373.8947

 8.3378, 7.4760,
11.6099

364.3316,

 4.3655, 3.7615,

366.6194, 441.7206

6.3594

427.9150,
431.6116, 517.2899

■ 1.9109, 1.5411,
2.9925

■ 0.5832, 0.3174,
1.0908

■ 84.5048, 82.6633,
106.1095

■ 84.5048, 82.6633,
106.1095

■ 75.6986, 68.4684,
103.8337

94.4328, 98.9769,
108.7351

■ 67.9616, 56.2913,
101.8911

95.0500, 100.0000,
108.9000

■ 61.2467, 46.0380,
100.2659

■ 55.5006, 37.6031,
98.9407

■ 50.6646, 30.8707,
97.8961

■ 46.6735, 25.7116,
97.1106

■ 43.4524, 21.9774,
96.5596

■ 40.9120, 19.4908,
96.2135

■ 39.0092, 18.0249,
96.0309

Harmonies

Analogous

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



80.9503, 82.6633, 113.2431



84.5048, 82.6633, 106.1095



86.4965, 82.6633, 94.9892

Triad

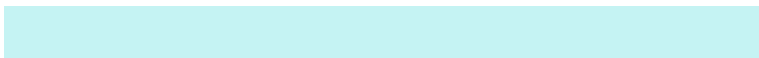
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5048, 82.6633, 106.1095



80.2901, 82.6633, 69.7666



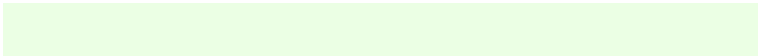
71.3041, 82.6633, 96.9287

Complementary

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



84.5048, 82.6633, 106.1095



84.0267, 94.7846, 87.2696

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.



71.1413, 82.6633, 85.2008



84.5048, 82.6633, 106.1095



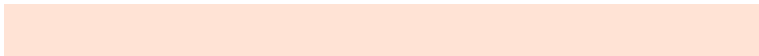
76.2348, 82.6633, 70.1877

Square

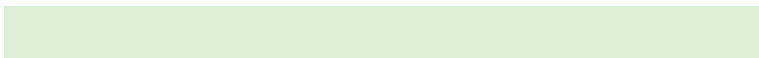
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.5048, 82.6633, 106.1095



84.0071, 82.6633, 74.4158



72.9179, 82.6633, 75.6207



73.3708, 82.6633, 107.6350

Rectangle

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



84.5048, 82.6633, 106.1095



86.6262, 82.6633, 87.1185



72.9179, 82.6633, 75.6207



71.0275, 82.6633, 92.9571

Sweetspot

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



84.5070, 82.6667, 106.1100



91.9320, 94.8416, 108.0687



79.8136, 83.2486, 106.4697



19.5026, 20.0120, 23.0848



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.



84.5070, 82.6667, 106.1100



82.2800, 79.0492, 105.5291



86.0373, 83.5709, 100.9746



18.3060, 18.0495, 22.7690



20.5300, 9.4941, 50.1851



2.1009, 0.9770, 4.8911

Inverse Universe

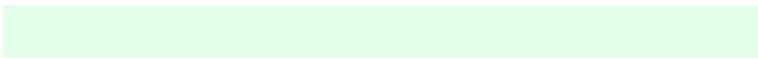
The Inverse Universe completely reimagines the original color for something new.



83.9810, 82.7484, 90.1461



81.6669, 79.1611, 86.1657



82.6518, 93.9730, 91.8538



18.2026, 18.0644, 19.6842



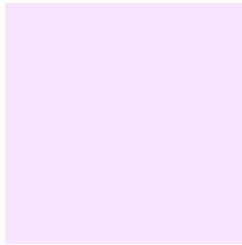
22.1155, 11.3355, 3.9929



2.1956, 1.1206, 0.6117

Previews

White Background



This preview shows how the XYZ color 84.5048, 82.6633, 106.1095 looks on a white background.

Color Contrast Check

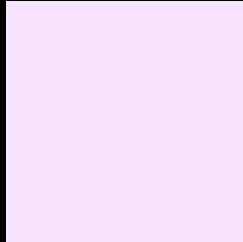
Large Text (above 18pt) WCAG AA × Fail

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 84.5048, 82.6633, 106.1095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

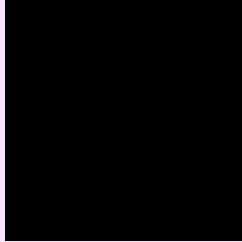
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.5048, 82.6633, 106.1095

Background



This preview shows how black text looks on a background with the XYZ color 84.5048, 82.6633, 106.1095.



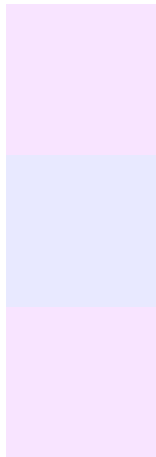
This preview shows how white text looks on a background with the XYZ color 84.5048, 82.6633,

106.1095.

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

84.5048, 82.6633, 106.1095

Protanopia

80.4676, 82.6536, 106.3204

Deuteranopia

84.5048, 82.6633, 106.1095



Tritanopia

83.1656, 82.5282, 99.5419

Trichromacy



Original Color

84.5048, 82.6633, 106.1095

Protanomaly

81.8858, 82.5490, 106.2254

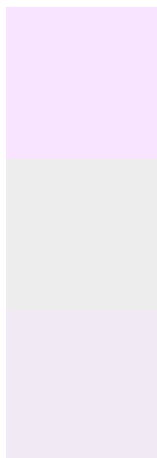
Deuteranomaly

84.5048, 82.6633, 106.1095

Tritanomaly

83.6324, 82.7149, 102.0002

Monochromacy



Original Color

84.5048, 82.6633, 106.1095

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

82.0276, 84.0781, 97.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.5048, 82.6633, 106.1095 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(248, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 228, 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(248, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.5048, 82.6633, 106.1095 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(248, 228, 255) }
```


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

```
.border{ border-color:rgb(248, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.5048, 82.6633, 106.1095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 228, 255) }
```

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

```
.background{ background-color: rgb(248,  
228, 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