

Converting Colors

XYZ(86.9789, 84.6294,
103.8312)

Have a look what the booklet for
XYZ(86.9789, 84.6294, 103.8312)
contains.

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Color

**XYZ(87.1075, 84.8819,
103.8882)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE6FC
RGB	255, 230, 252
RGB Percent	100%, 90%, 99%
CMY	0.0000, 0.0980, 0.0118
CMYK	0.00, 0.10, 0.01, 0.00
HSL	307°, 100%, 95%
HSV	307°, 10%, 100%
XYZ	87.1075, 84.8819, 103.8882
YIQ	239.9830, 7.8380, 12.1420

Conversions

Conversions Part 2

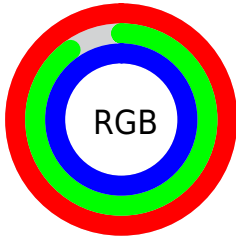
Format	Color
R _Y B	255, 230, 252
Decimal	16770812
CIE Lab	93.83, 12.26, -7.53
CIE LCh	94, 14.384, 328.442
Yxy	84.8819, 0.3157, 0.3077
Android (android.graphics.Color)	4294960892 (0xFFFFE6FC)
YUV	239.9830, 5.9244, 13.1699
Hunter-Lab	92.1314, 7.5366, -2.3640

Details

The XYZ color **87.1075, 84.8819, 103.8882** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.1036, 94.2274, 90.9018**, and the grayscale version is **82.7637, 87.0739, 94.8234**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2751, 46.2180, 58.0064** is the 20% darker color. If you saturate the color by 10%, you get **80.0432, 71.5226, 99.1618**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

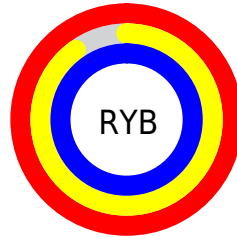
Distribution



Red (100%)

Green (90%)

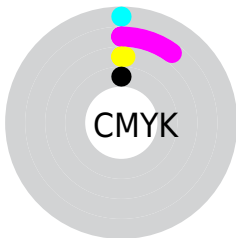
Blue (99%)



Red (100%)

Yellow (90%)

Blue (99%)

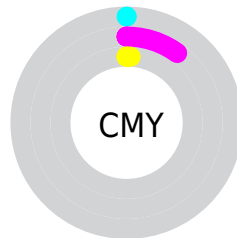


Cyan (0%)

Magenta (10%)

Yellow (1%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.1075, 84.8819, 103.8882 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 87.1075, 84.8819, 103.8882 by changing the saturation by 10% instead.


 87.1075, 84.8819,
103.8882

 87.1075, 84.8819,
103.8882


506.9553,
511.2372, 593.9408

 65.9125, 63.7438,
78.9168


142.2129,
140.2082, 168.5886

 48.4688, 46.4432,
58.3065


176.8539,
175.1651, 209.1546

 34.4111, 32.5957,
41.6388


216.7077,
215.4971, 255.7560

 23.3740, 21.8169,
28.4951

262.1396,
261.5886, 308.8111

 14.9921, 13.7224,
18.4569

313.5150,
313.8240, 368.7386

 8.9001, 7.9279,
11.1057

371.1992,

 4.7327, 4.0488,

372.5876, 435.9570

6.0229

435.5575,
438.2639, 510.8849

■ 2.1244, 1.7009,
2.7900

■ 0.7024, 0.4242,
0.9884

■ 87.1075, 84.8819,
103.8882

■ 87.1075, 84.8819,
103.8882

■ 80.0432, 71.5226,
99.1618

95.0500, 100.0000,
108.9000

■ 73.9779, 60.1492,
94.8055

■ 68.8653, 50.6688,
90.8050

■ 64.6531, 42.9772,
87.1426

■ 61.2843, 36.9597,
83.7991

■ 58.6948, 32.4888,
80.7530

■ 56.8115, 29.4183,
77.9797

■ 55.5476, 27.5743,
75.4501

■ 54.7637, 26.6782,
73.1175

Harmonies

Analogous

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



84.2310, 84.8819, 112.2048



87.1075, 84.8819, 103.8882



88.2542, 84.8819, 92.9958

Triad

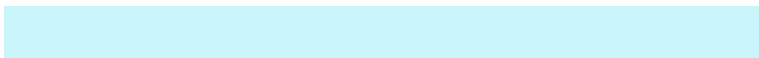
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1075, 84.8819, 103.8882



80.8778, 84.8819, 72.9273



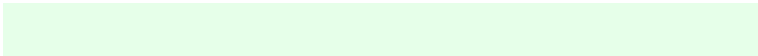
74.3828, 84.8819, 102.8196

Complementary

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



87.1075, 84.8819, 103.8882



83.1036, 94.2274, 90.9018

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.



73.5477, 84.8819, 91.8505



87.1075, 84.8819, 103.8882



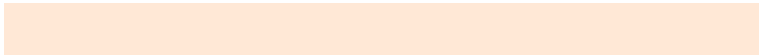
77.2258, 84.8819, 75.1128

Square

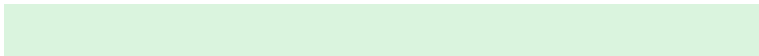
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



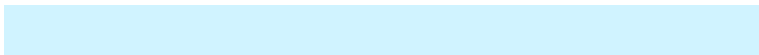
87.1075, 84.8819, 103.8882



84.5879, 84.8819, 75.6126



74.5724, 84.8819, 81.8321



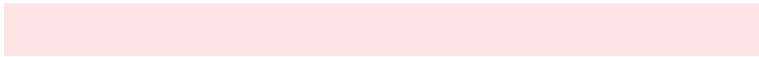
76.8899, 84.8819, 111.5544

Rectangle

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



87.1075, 84.8819, 103.8882



87.8568, 84.8819, 85.9184



74.5724, 84.8819, 81.8321



73.9008, 84.8819, 99.2457

Sweetspot

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



87.1094, 84.8853, 103.8900



92.5105, 95.1568, 107.3263



79.9272, 81.1274, 106.0543



19.6593, 20.0974, 22.8835



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.



87.1094, 84.8853, 103.8900



85.4678, 81.7724, 102.8179



85.2053, 84.1237, 93.8634



18.6933, 18.2606, 22.2681



28.6452, 13.9474, 38.3776



2.8144, 1.3681, 3.8702

Inverse Universe

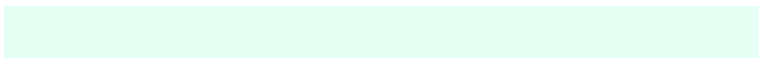
The Inverse Universe completely reimagines the original color for something new.



87.1094, 84.8853, 103.8900



85.4678, 81.7724, 102.8179



84.9405, 94.9622, 100.5746



18.6933, 18.2606, 22.2681



28.6452, 13.9474, 38.3776



2.8144, 1.3681, 3.8702

Previews

White Background



This preview shows how the XYZ color 87.1075, 84.8819, 103.8882 looks on a white background.

Color Contrast Check

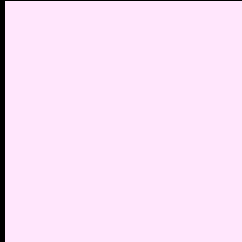
Large Text (above 18pt) WCAG AA × Fail

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 87.1075, 84.8819, 103.8882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

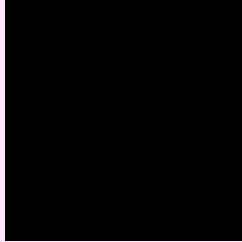
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.1075, 84.8819, 103.8882

Background



This preview shows how black text looks on a background with the XYZ color 87.1075, 84.8819, 103.8882.



This preview shows how white text looks on a background with the XYZ color 87.1075, 84.8819,

103.8882.

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

87.1075, 84.8819, 103.8882

Protanopia

82.6375, 85.0438, 106.6674

Deuteranopia

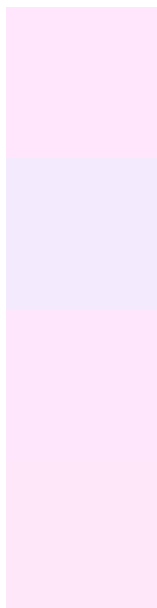
86.7406, 84.6927, 103.8711



Tritanopia

86.9148, 85.2514, 101.4968

Trichromacy



Original Color

87.1075, 84.8819, 103.8882

Protanomaly

84.2744, 85.0561, 105.7417

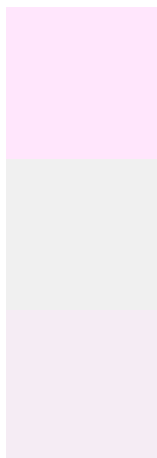
Deuteranomaly

86.7406, 84.6927, 103.8711

Tritanomaly

87.0712, 85.3140, 102.3206

Monochromacy



Original Color

87.1075, 84.8819, 103.8882

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.9808, 85.9350, 97.7488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.1075, 84.8819, 103.8882 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(255, 230, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 252)  
}
```

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(255, 230, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 252) }
```

Border

The CSS property to change the border of an element to XYZ 87.1075, 84.8819, 103.8882 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(255, 230, 252) }
```


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

```
.border{ border-color:rgb(255, 230, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 87.1075, 84.8819, 103.8882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 252) }
```

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

```
.background{ background-color: rgb(255,  
230, 252) }
```

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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