

Converting Colors

XYZ(85.9617, 85.0878,
106.5007)

Have a look what the booklet for
XYZ(85.9617, 85.0878, 106.5007)
contains.

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Color

**XYZ(85.9735, 85.0730,
106.4972)**

Conversions

Conversions Part 1

Format	Color
Hex	F9E8FF
RGB	249, 232, 255
RGB Percent	98%, 91%, 100%
CMY	0.0235, 0.0902, 0.0000
CMYK	0.02, 0.09, 0.00, 0.00
HSL	284°, 100%, 95%
HSV	284°, 9%, 100%
XYZ	85.9735, 85.0730, 106.4972
YIQ	239.7050, 2.7490, 10.7570

Conversions

Conversions Part 2

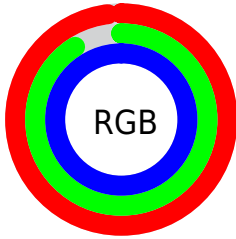
Format	Color
R_{YB}	249, 232, 255
Decimal	16378111
CIE _{Lab}	93.91, 9.78, -9.02
CIE _{LCh}	94, 13.308, 317.327
Yxy	85.0730, 0.3098, 0.3065
Android (android.graphics.Color)	4294568191 (0xFF9E8FF)
YUV	239.7050, 7.5404, 8.1517
Hunter-Lab	92.2350, 4.9709, -3.8934

Details

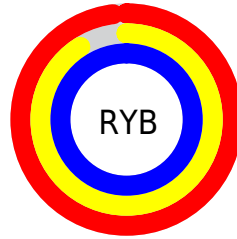
The XYZ color **85.9735, 85.0730, 106.4972** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5877, 95.5244, 90.2754**, and the grayscale version is **82.5373, 86.8356, 94.5640**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7107, 46.4653, 59.8802** is the 20% darker color. If you saturate the color by 10%, you get **76.9813, 70.5457, 104.1671**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

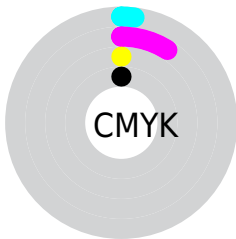
Distribution



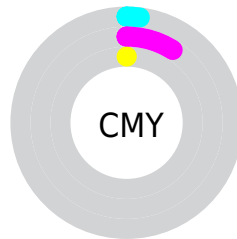
- Red (98%)
- Green (91%)
- Blue (100%)



- Red (98%)
- Yellow (91%)
- Blue (100%)



- Cyan (2%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.9735, 85.0730, 106.4972 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 85.9735, 85.0730, 106.4972 by changing the saturation by 10% instead.


 85.9735, 85.0730,
106.4972

 85.9735, 85.0730,
106.4972


503.2791,
511.8696, 602.2522

 64.9713, 63.9017,
81.0906


140.6395,
140.4752, 172.1870

 47.7024, 46.5711,
60.0848


175.0340,
175.4748, 213.3073

 33.8015, 32.6967,
43.0612


214.6233,
215.8527, 260.5025

 22.9033, 21.8942,
29.6014

259.7727,
261.9932, 314.1913

 14.6425, 13.7792,
19.2868

310.8477,
314.2808, 374.7921

 8.6535, 7.9672,
11.6988

368.2135,

 4.5712, 4.0740,

373.0998, 442.7235

6.4189

432.2355,
438.8346, 518.4040

■ 2.0301, 1.7150,
3.0285

■ 0.6508, 0.4334,
1.1092

■ 85.9735, 85.0730,
106.4972

■ 85.9735, 85.0730,
106.4972

■ 76.9813, 70.5457,
104.1671

95.0500, 100.0000,
108.9000

■ 69.0667, 58.0512,
102.1725

■ 62.1832, 47.4969,
100.4981

■ 56.2781, 38.7786,
99.1266

■ 51.2938, 31.7823,
98.0389

■ 47.1660, 26.3811,
97.2139

■ 43.8217, 22.4301,
96.6275

■ 41.1743, 19.7577,
96.2512

■ 39.0963, 18.1101,
96.0427

Harmonies

Analogous

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



82.9058, 85.0730, 112.5363



85.9735, 85.0730, 106.4972



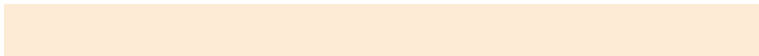
87.6913, 85.0730, 96.9776

Triad

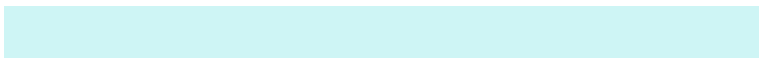
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9735, 85.0730, 106.4972



82.3635, 85.0730, 74.8651



74.5273, 85.0730, 98.5646

Complementary

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



85.9735, 85.0730, 106.4972



85.5877, 95.5244, 90.2754

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.



74.3918, 85.0730, 88.4144



85.9735, 85.0730, 106.4972



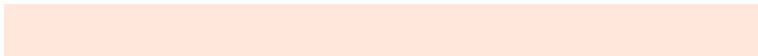
78.8468, 85.0730, 75.2215

Square

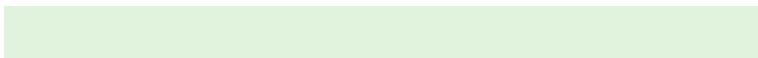
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9735, 85.0730, 106.4972



85.5665, 85.0730, 79.0099



75.9521, 85.0730, 80.0221



76.3280, 85.0730, 107.7318

Rectangle

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



85.9735, 85.0730, 106.4972



87.8078, 85.0730, 90.1634



75.9521, 85.0730, 80.0221



74.2874, 85.0730, 95.1413

Sweetspot

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



85.9757, 85.0766, 106.4977



91.9275, 94.8393, 108.0685



81.9452, 85.6060, 106.8124



19.5014, 20.0114, 23.0847



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.



85.9757, 85.0766, 106.4977



84.1044, 82.0293, 106.0082



87.2963, 85.8558, 102.1133



18.3030, 18.0480, 22.7689



20.4772, 9.4668, 50.1826



2.0961, 0.9745, 4.8909

Inverse Universe

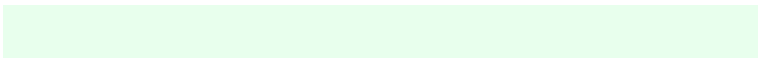
The Inverse Universe completely reimagines the original color for something new.



85.5315, 85.1498, 92.8198



83.5851, 82.1267, 89.4901



84.3810, 94.8129, 94.2588



18.2039, 18.0649, 19.6907



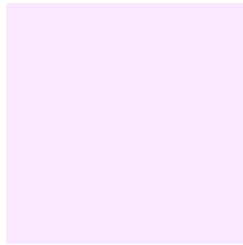
22.1222, 11.3382, 4.0278



2.1964, 1.1209, 0.6159

Previews

White Background



This preview shows how the XYZ color 85.9735, 85.0730, 106.4972 looks on a white background.

Color Contrast Check

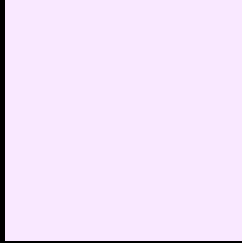
Large Text (above 18pt) WCAG AA × Fail

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 85.9735, 85.0730, 106.4972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

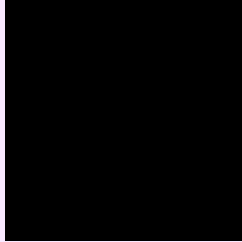
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

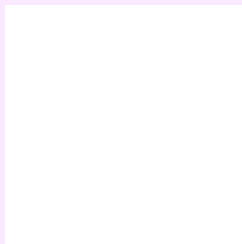
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.9735, 85.0730, 106.4972

Background



This preview shows how black text looks on a background with the XYZ color 85.9735, 85.0730, 106.4972.



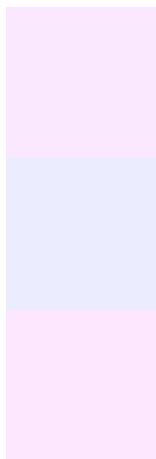
This preview shows how white text looks on a background with the XYZ color 85.9735, 85.0730,

106.4972.

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

85.9735, 85.0730, 106.4972

Protanopia

82.6375, 85.0438, 106.6674

Deuteranopia

86.7708, 85.0673, 106.4541



Tritanopia

85.2629, 85.1993, 103.2181

Trichromacy



Original Color

85.9735, 85.0730, 106.4972

Protanomaly

84.0340, 85.3374, 106.6504

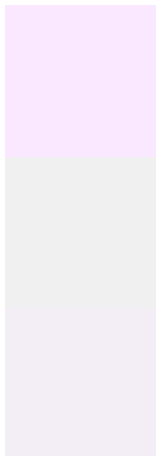
Deuteranomaly

86.4096, 84.8811, 106.4371

Tritanomaly

85.4210, 85.2626, 104.0506

Monochromacy



Original Color

85.9735, 85.0730, 106.4972

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.7278, 86.2156, 98.6146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.9735, 85.0730, 106.4972 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, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 232, 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, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 232, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.9735, 85.0730, 106.4972 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, 232, 255) }
```


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

```
.border{ border-color:rgb(249, 232, 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, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 232,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.9735, 85.0730, 106.4972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 232, 255) }
```

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

```
.background{ background-color: rgb(249,  
232, 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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