

Converting Colors

XYZ(85.3931, 86.6758,
106.8371)

Have a look what the booklet for
XYZ(85.3931, 86.6758, 106.8371)
contains.

XYZ(85.3537, 86.4440, 106.7945)	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(85.3537, 86.4440,
106.7945)**

Conversions

Conversions Part 1

Format	Color
Hex	F4ECFF
RGB	244, 236, 255
RGB Percent	96%, 93%, 100%
CMY	0.0431, 0.0745, 0.0000
CMYK	0.04, 0.07, 0.00, 0.00
HSL	265°, 100%, 96%
HSV	265°, 7%, 100%
XYZ	85.3537, 86.4440, 106.7945
YIQ	240.5580, -1.3310, 7.6050

Conversions

Conversions Part 2

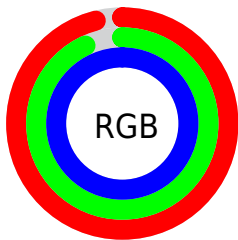
Format	Color
R _Y B	244, 236, 255
Decimal	16051455
CIE Lab	94.50, 6.09, -8.19
CIE LCh	95, 10.207, 306.619
Yxy	86.4440, 0.3064, 0.3103
Android (android.graphics.Color)	4294241535 (0xFF4ECFF)
YUV	240.5580, 7.1199, 3.0186
Hunter-Lab	92.9753, 1.1609, -3.0198

Details

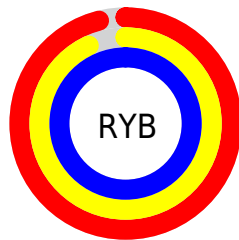
The XYZ color **85.3537, 86.4440, 106.7945** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.2602, 97.3513, 93.4473**, and the grayscale version is **83.2104, 87.5439, 95.3353**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.2533, 47.4111, 60.0868** is the 20% darker color. If you saturate the color by 10%, you get **73.6104, 70.2603, 104.2896**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

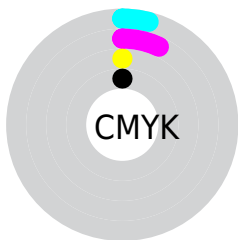
Distribution



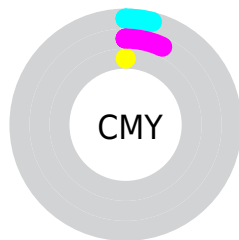
- Red (96%)
- Green (93%)
- Blue (100%)



- 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 85.3537, 86.4440, 106.7945 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 85.3537, 86.4440, 106.7945 by changing the saturation by 10% instead.

85.3537, 86.4440,
106.7945

85.3537, 86.4440,
106.7945

501.2638,
516.3941, 603.1954

64.4571, 65.0352,
81.3385

139.7787,
142.3889, 172.5965

47.2841, 47.4896,
60.2878

174.0379,
177.6938, 213.7796

33.4692, 33.4229,
43.2238

213.4820,
218.3995, 261.0421

22.6471, 22.4506,
29.7281

258.4764,
264.8904, 314.8027

14.4524, 14.1884,
19.3820

309.3864,
317.5510, 375.4797

8.5198, 8.2518,
11.7670

366.5774,

4.4839, 4.2565,

376.7655, 443.4918

6.4646

430.4147,
442.9184, 519.2576

■ 1.9794, 1.8180,
3.0563

■ 0.6223, 0.4984,
1.1234

■ 85.3537, 86.4440,
106.7945

■ 85.3537, 86.4440,
106.7945

■ 73.6104, 70.2603,
104.2896

95.0500, 100.0000,
108.9000

■ 63.2697, 56.2876,
102.1377

■ 54.2765, 44.4296,
100.3228

■ 46.5695, 34.5789,
98.8276

■ 40.0820, 26.6179,
97.6330

■ 34.7405, 20.4168,
96.7176

■ 30.4629, 15.8284,
96.0573

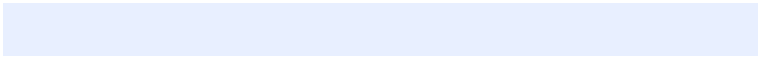
■ 27.1535, 12.6800,
95.6241

■ 24.6910, 10.7484,
95.3810

Harmonies

Analogous

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



82.7728, 86.4440, 109.9639



85.3537, 86.4440, 106.7945



87.1070, 86.4440, 100.2549

Triad

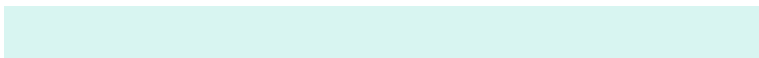
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3537, 86.4440, 106.7945



84.2766, 86.4440, 80.9087



77.0263, 86.4440, 95.8773

Complementary

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



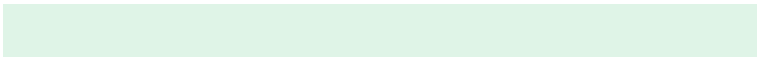
85.3537, 86.4440, 106.7945



89.2602, 97.3513, 93.4473

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.



77.4087, 86.4440, 88.2461



85.3537, 86.4440, 106.7945



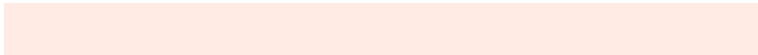
81.5551, 86.4440, 79.8812

Square

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



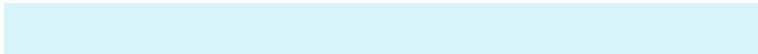
85.3537, 86.4440, 106.7945



86.4754, 86.4440, 85.3844



79.0517, 86.4440, 82.4954



77.9953, 86.4440, 103.4380

Rectangle

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



85.3537, 86.4440, 106.7945



87.5491, 86.4440, 95.0178



79.0517, 86.4440, 82.4954



77.0014, 86.4440, 93.2334

Sweetspot

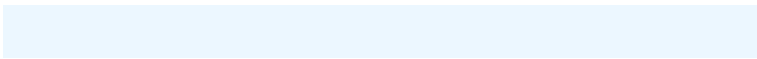
The Sweet Spot groups the original color and five complimentary colors.



85.3560, 86.4476, 106.7951



92.3665, 96.2333, 108.3144



85.9309, 91.6278, 107.7646



19.7984, 20.6374, 23.1899



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.



85.3560, 86.4476, 106.7951



83.4397, 83.7876, 106.3826



88.7071, 88.1752, 106.9519



17.7277, 17.7514, 22.7420



12.7833, 5.5005, 49.8225



1.3660, 0.5981, 4.8567

Inverse Universe

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



88.0261, 87.9698, 100.3391



86.6438, 85.6146, 98.6160



86.0230, 95.6824, 93.2958



18.4504, 18.1635, 20.9889



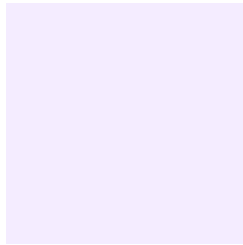
24.4036, 12.2507, 16.0415



2.4307, 1.2146, 1.8494

Previews

White Background



This preview shows how the XYZ color 85.3537, 86.4440, 106.7945 looks on a white background.

Color Contrast Check

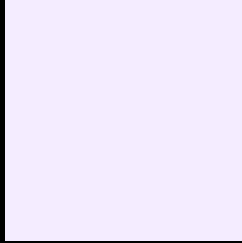
Large Text (above 18pt) WCAG AA × Fail

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 85.3537, 86.4440, 106.7945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

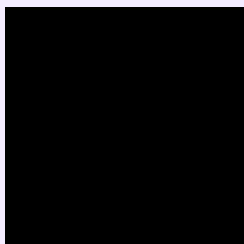
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

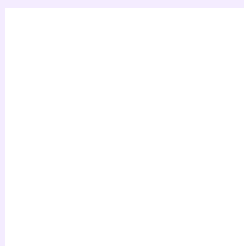
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.3537, 86.4440, 106.7945

Background



This preview shows how black text looks on a background with the XYZ color 85.3537, 86.4440, 106.7945.



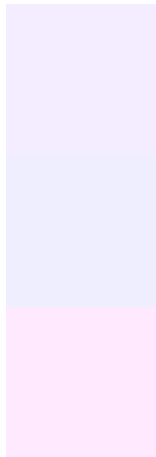
This preview shows how white text looks on a background with the XYZ color 85.3537, 86.4440,

106.7945.

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

85.3537, 86.4440, 106.7945

Protanopia

84.2211, 86.7198, 106.9074

Deuteranopia

88.0620, 86.5687, 106.6758



Tritanopia

85.3537, 86.4440, 106.7945

Trichromacy



Original Color

85.3537, 86.4440, 106.7945

Protanomaly

84.6098, 86.4891, 106.8424

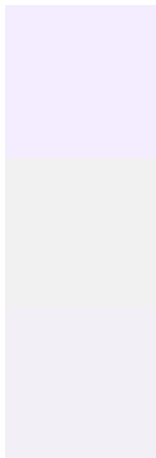
Deuteranomaly

86.8972, 86.3896, 106.7026

Tritanomaly

85.3537, 86.4440, 106.7945

Monochromacy



Original Color

85.3537, 86.4440, 106.7945

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.1190, 87.2641, 99.5989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3537, 86.4440, 106.7945 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(244, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 236, 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(244, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.3537, 86.4440, 106.7945 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(244, 236, 255) }
```


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

```
.border{ border-color:rgb(244, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3537, 86.4440, 106.7945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 236, 255) }
```

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

```
.background{ background-color: rgb(244,  
236, 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