

Converting Colors

XYZ(86.6975, 87.8479,
102.1831)

Have a look what the booklet for
XYZ(86.6975, 87.8479, 102.1831)
contains.

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Color

**XYZ(86.4500, 87.5477,
101.9645)**

Conversions

Conversions Part 1

Format	Color
Hex	F9EDF9
RGB	249, 237, 249
RGB Percent	98%, 93%, 98%
CMY	0.0235, 0.0706, 0.0235
CMYK	0.00, 0.05, 0.00, 0.02
HSL	300°, 50%, 95%
HSV	300°, 5%, 98%
XYZ	86.4500, 87.5477, 101.9645
YIQ	241.9560, 3.3000, 6.2760

Conversions

Conversions Part 2

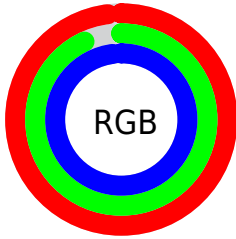
Format	Color
R _Y B	249, 237, 249
Decimal	16379385
CIE Lab	94.97, 6.13, -4.34
CIE LCh	95, 7.510, 324.667
Yxy	87.5477, 0.3133, 0.3172
Android (android.graphics.Color)	4294569465 (0xFFF9EDF9)
YUV	241.9560, 3.4727, 6.1776
Hunter-Lab	93.5669, 1.1807, 0.8856

Details

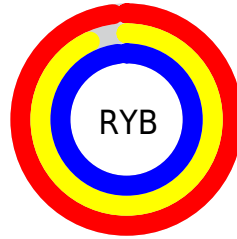
The XYZ color **86.4500, 87.5477, 101.9645** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.0901, 91.8727, 93.4265**, and the grayscale version is **84.3371, 88.7292, 96.6261**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1418, 48.2355, 57.2251** is the 20% darker color. If you saturate the color by 10%, you get **79.7365, 74.1195, 99.7277**, and if you desaturate by 10%, it is **91.9266, 98.4997, 103.7912**.

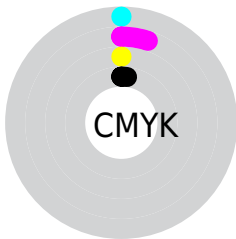
Distribution



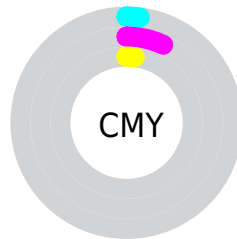
- Red (98%)
- Green (93%)
- Blue (98%)



- Red (98%)
- Yellow (93%)
- Blue (98%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (2%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4500, 87.5477, 101.9645 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 86.4500, 87.5477, 101.9645 by changing the saturation by 10% instead.


 86.4500, 87.5477,
101.9645

 86.4500, 87.5477,
101.9645


504.8256,
520.0209, 587.7732

 65.3667, 65.9485,
77.3162


141.3009,
143.9273, 165.9296

 48.0243, 48.2306,
56.9993


175.7991,
179.4765, 206.0835

 34.0574, 34.0096,
40.5953


215.4998,
220.4446, 252.2430

 23.1008, 22.9009,
27.6857

260.7681,
267.2158, 304.8266

 14.7891, 14.5204,
17.8519

311.9695,
320.1747, 364.2529

 8.7568, 8.4835,
10.6754

369.4693,

 4.6388, 4.4058,

379.7056, 430.9404

5.7376

433.6329,
446.1929, 505.3077

■ 2.0695, 1.9031,
2.6200

■ 0.6725, 0.5502,
0.9027

■ 86.4500, 87.5477,
101.9645

■ 86.4500, 87.5477,
101.9645

■ 79.7365, 74.1195,
99.7277

■ 91.9266, 98.4997,
103.7912

■ 73.9806, 62.6076,
97.8090

■ 91.9266, 98.4997,
103.7912

■ 69.1408, 52.9281,
96.1956

■ 91.9267, 98.4997,
103.7913

■ 65.1699, 44.9864,
94.8720

■ 91.9267, 98.4997,
103.7914

62.0166, 38.6798,
93.8208

91.9267, 98.4997,
103.7915

59.6239, 33.8944,
93.0231

91.9267, 98.4997,
103.7915

57.9277, 30.5020,
92.4577

91.9267, 98.4997,
103.7916

56.8534, 28.3534,
92.0995

91.9267, 98.4997,
103.7917

56.3092, 27.2650,
91.9180

91.9267, 98.4997,
103.7917

Harmonies

Analogous

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



84.8579, 87.5477, 105.8931



86.4500, 87.5477, 101.9645



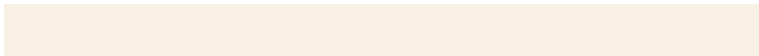
87.1751, 87.5477, 96.3716

Triad

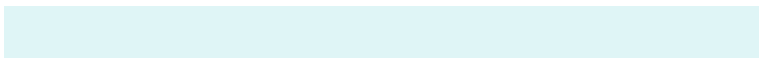
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4500, 87.5477, 101.9645



83.5763, 87.5477, 84.5796



79.7004, 87.5477, 100.0863

Complementary

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



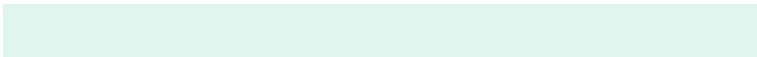
86.4500, 87.5477, 101.9645



84.0901, 91.8727, 93.4265

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.



79.3698, 87.5477, 94.2852



86.4500, 87.5477, 101.9645



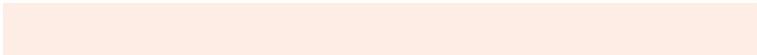
81.5864, 87.5477, 85.4837

Square

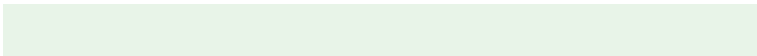
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4500, 87.5477, 101.9645



85.4987, 87.5477, 86.4575



80.0548, 87.5477, 88.9793



80.9653, 87.5477, 104.7781

Rectangle

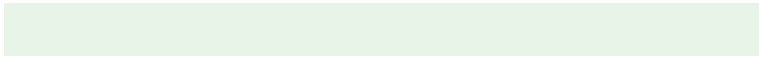
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4500, 87.5477, 101.9645



87.0609, 87.5477, 92.5106



80.0548, 87.5477, 88.9793



79.4772, 87.5477, 98.1950

Sweetspot

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



86.4525, 87.5515, 101.9664



94.2419, 98.3838, 108.6306



82.3120, 85.4170, 101.7727



20.1802, 21.0752, 23.2543



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

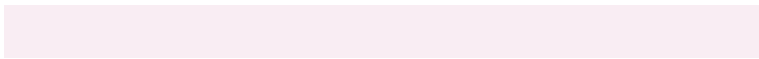
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4525, 87.5515, 101.9664



90.3618, 90.6237, 107.3372



85.5316, 87.1831, 97.1170



18.4175, 18.3734, 21.9610



30.0646, 14.4416, 49.1761



2.7845, 1.3375, 4.5546

Inverse Universe

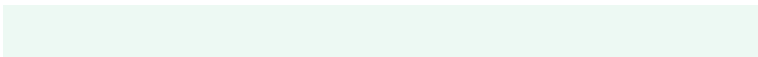
The Inverse Universe completely reimagines the original color for something new.



86.4525, 87.5515, 101.9664



90.3618, 90.6237, 107.3372



84.9814, 92.2292, 98.1200



18.4175, 18.3734, 21.9610



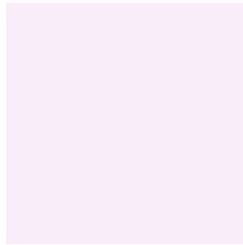
30.0646, 14.4416, 49.1761



2.7845, 1.3375, 4.5546

Previews

White Background



This preview shows how the XYZ color 86.4500, 87.5477, 101.9645 looks on a white background.

Color Contrast Check

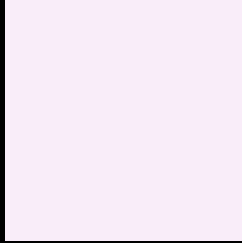
Large Text (above 18pt) WCAG AA × Fail

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 86.4500, 87.5477, 101.9645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

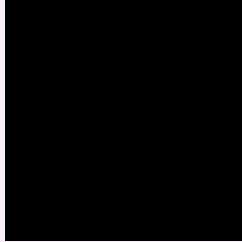
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.4500, 87.5477, 101.9645

Background



This preview shows how black text looks on a background with the XYZ color 86.4500, 87.5477, 101.9645.



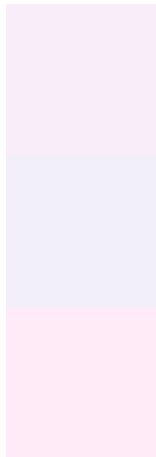
This preview shows how white text looks on a background with the XYZ color 86.4500, 87.5477,

101.9645.

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

86.4500, 87.5477, 101.9645

Protanopia

84.7398, 87.5124, 102.8678

Deuteranopia

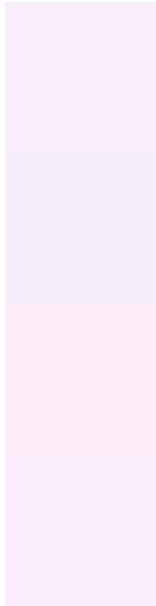
87.7368, 87.3921, 100.2398



Tritanopia

87.4698, 87.5349, 106.8935

Trichromacy



Original Color

86.4500, 87.5477, 101.9645

Protanomaly

85.4860, 87.4637, 102.8191

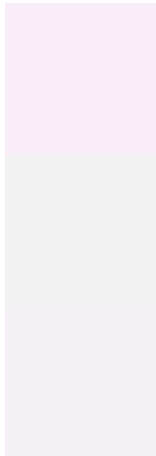
Deuteranomaly

87.4467, 87.6509, 101.1163

Tritanomaly

87.1494, 87.4067, 105.2064

Monochromacy



Original Color

86.4500, 87.5477, 101.9645

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.2977, 88.3252, 98.9390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4500, 87.5477, 101.9645 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, 237, 249) looks like.

```
.text, #text, p{  
    color:rgb(249, 237, 249)  
}
```

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, 237, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 237, 249) }
```

Border

The CSS property to change the border of an element to XYZ 86.4500, 87.5477, 101.9645 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, 237, 249) }
```


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

```
.border{ border-color:rgb(249, 237, 249) }
```

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

Here you see how a box with a 4 pixel rgb(249, 237, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 237, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 237, 249);  
box-shadow:4px 4px 4px 4px rgb(249, 237,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4500, 87.5477, 101.9645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 237, 249) }
```

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

```
.background{ background-color: rgb(249,  
237, 249) }
```

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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