

Converting Colors

XYZ(89.3156, 88.2034,
120.0926)

Have a look what the booklet for
XYZ(89.3156, 88.2034, 120.0926)
contains.

XYZ(86.7569, 87.1674, 106.8601)	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(86.7569, 87.1674,
106.8601)**

Conversions

Conversions Part 1

Format	Color
Hex	F8ECFF
RGB	248, 236, 255
RGB Percent	97%, 93%, 100%
CMY	0.0274, 0.0745, 0.0000
CMYK	0.03, 0.07, 0.00, 0.00
HSL	278°, 100%, 96%
HSV	278°, 7%, 100%
XYZ	86.7569, 87.1674, 106.8601
YIQ	241.7540, 1.0530, 8.4530

Conversions

Conversions Part 2

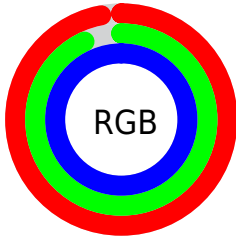
Format	Color
R_{YB}	248, 236, 255
Decimal	16313599
CIE Lab	94.81, 7.39, -7.70
CIE LCh	95, 10.677, 313.821
Yxy	87.1674, 0.3090, 0.3104
Android (android.graphics.Color)	4294503679 (0xFFFF8ECFF)
YUV	241.7540, 6.5303, 5.4777
Hunter-Lab	93.3635, 2.4829, -2.5065

Details

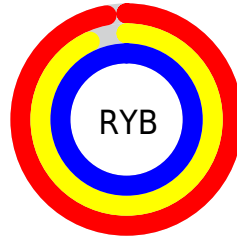
The XYZ color **86.7569, 87.1674, 106.8601** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8646, 96.6318, 93.3821**, and the grayscale version is **84.1552, 88.5378, 96.4177**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2525, 47.9262, 60.1336** is the 20% darker color. If you saturate the color by 10%, you get **76.6857, 71.8457, 104.4336**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

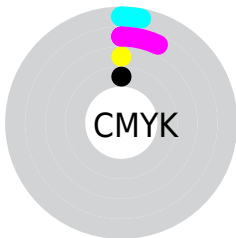
Distribution



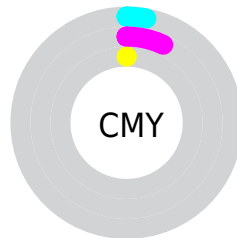
- Red (97%)
- Green (93%)
- Blue (100%)



- Red (97%)
- Yellow (93%)
- Blue (100%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7569, 87.1674, 106.8601 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 86.7569, 87.1674, 106.8601 by changing the saturation by 10% instead.

 86.7569, 87.1674,
106.8601

 86.7569, 87.1674,
106.8601


505.8202,
518.7728, 603.4035

 65.6214, 65.6337,
81.3932


141.7267,
143.3974, 172.6868

 48.2317, 47.9751,
60.3326


176.2916,
178.8626, 213.8838

 34.2224, 33.8072,
43.2597


216.0638,
219.7404, 261.1612

 23.2282, 22.7455,
29.7560

261.4085,
266.4153, 314.9375

 14.8837, 14.4057,
19.4030

312.6912,
319.2715, 375.6314

 8.8236, 8.4034,
11.7821

370.2771,

 4.6825, 4.3541,

378.6936, 443.6613

6.4747

434.5317,
445.0659, 519.4458

■ 2.0950, 1.8736,
3.0624

■ 0.6865, 0.5324,
1.1266

■ 86.7569, 87.1674,
106.8601

■ 86.7569, 87.1674,
106.8601

■ 76.6857, 71.8457,
104.4336

95.0500, 100.0000,
108.9000

■ 67.7809, 58.6132,
102.3488

■ 59.9951, 47.3777,
100.5905

■ 53.2745, 38.0354,
99.1414

■ 47.5607, 30.4734,
97.9830

■ 42.7889, 24.5659,
97.0942

■ 38.8857, 20.1705,
96.4515

■ 35.7653, 17.1196,
96.0271

■ 33.3166, 15.1950,
95.7847

Harmonies

Analogous

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



84.1844, 87.1674, 111.2154



86.7569, 87.1674, 106.8601



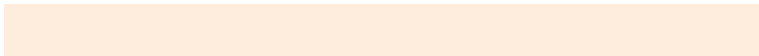
88.3013, 87.1674, 99.4134

Triad

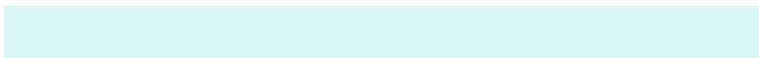
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7569, 87.1674, 106.8601



84.4077, 87.1674, 80.4342



77.5711, 87.1674, 98.7628

Complementary

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



86.7569, 87.1674, 106.8601



87.8646, 96.6318, 93.3821

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.



77.6278, 87.1674, 90.5456



86.7569, 87.1674, 106.8601



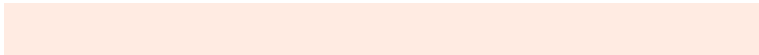
81.5298, 87.1674, 80.2826

Square

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



86.7569, 87.1674, 106.8601



86.9237, 87.1674, 84.3136



79.0622, 87.1674, 83.8867



78.9056, 87.1674, 106.3600

Rectangle

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



86.7569, 87.1674, 106.8601



88.5182, 87.1674, 93.8539



79.0622, 87.1674, 83.8867



77.4291, 87.1674, 95.9749

Sweetspot

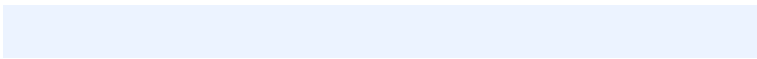
The Sweet Spot groups the original color and five complimentary colors.



86.7592, 87.1710, 106.8607



92.7566, 96.4344, 108.3327



84.7805, 89.3269, 107.3811



19.8778, 20.6783, 23.1936



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.



86.7592, 87.1710, 106.8607



85.1180, 84.6528, 106.4612



88.9323, 88.3323, 105.1108



18.1059, 17.9463, 22.7597



17.2869, 7.8222, 50.0333



1.8036, 0.8237, 4.8772

Inverse Universe

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



87.4154, 87.7255, 97.1225



85.9141, 85.3227, 94.7731



85.8192, 95.5399, 94.9777



18.2860, 18.0977, 20.1234



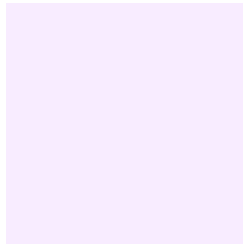
22.6689, 11.5569, 6.9071



2.2577, 1.1455, 0.9386

Previews

White Background



This preview shows how the XYZ color 86.7569, 87.1674, 106.8601 looks on a white background.

Color Contrast Check

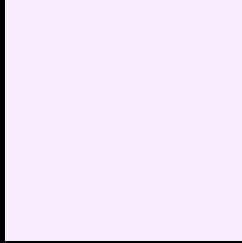
Large Text (above 18pt) WCAG AA × Fail

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 86.7569, 87.1674, 106.8601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

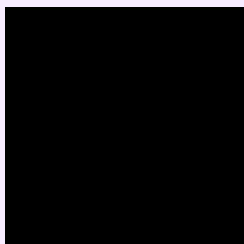
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

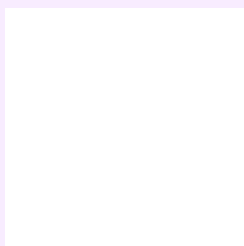
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.7569, 87.1674, 106.8601

Background



This preview shows how black text looks on a background with the XYZ color 86.7569, 87.1674, 106.8601.



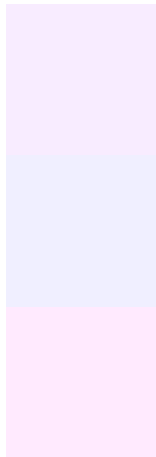
This preview shows how white text looks on a background with the XYZ color 86.7569, 87.1674,

106.8601.

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

86.7569, 87.1674, 106.8601

Protanopia

84.8517, 87.4783, 107.0206

Deuteranopia

88.5522, 87.2614, 105.9419



Tritanopia

86.7569, 87.1674, 106.8601

Trichromacy



Original Color

86.7569, 87.1674, 106.8601

Protanomaly

85.5867, 87.4238, 106.9713

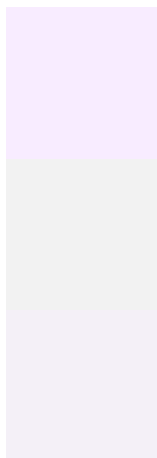
Deuteranomaly

87.7426, 87.2679, 105.9858

Tritanomaly

86.7569, 87.1674, 106.8601

Monochromacy



Original Color

86.7569, 87.1674, 106.8601

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.2568, 88.2687, 100.5397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7569, 87.1674, 106.8601 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, 236, 255) looks like.

```
.text, #text, p{  
    color:rgb(248, 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(248, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 86.7569, 87.1674, 106.8601 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, 236, 255) }
```


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

```
.border{ border-color:rgb(248, 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(248, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7569, 87.1674, 106.8601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 236, 255) }
```

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

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