

Converting Colors

XYZ(86.9986, 87.9417, 97.2986)

Have a look what the booklet for
XYZ(86.9986, 87.9417, 97.2986)
contains.

XYZ(86.9699, 87.9221, 97.1809)	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(86.9699, 87.9221,
97.1809)**

Conversions

Conversions Part 1

Format	Color
Hex	FDEDF3
RGB	253, 237, 243
RGB Percent	99%, 93%, 95%
CMY	0.0078, 0.0706, 0.0471
CMYK	0.00, 0.06, 0.04, 0.01
HSL	338°, 80%, 96%
HSV	338°, 6%, 99%
XYZ	86.9699, 87.9221, 97.1809
YIQ	242.4680, 7.6100, 5.2580

Conversions

Conversions Part 2

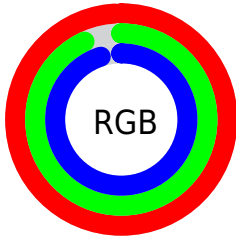
Format	Color
R _Y B	253, 237, 243
Decimal	16641523
CIE Lab	95.13, 6.41, -0.96
CIE LCh	95, 6.486, 351.474
Yxy	87.9221, 0.3197, 0.3232
Android (android.graphics.Color)	4294831603 (0xFFFD EDF3)
YUV	242.4680, 0.2623, 9.2366
Hunter-Lab	93.7668, 1.4692, 4.1880

Details

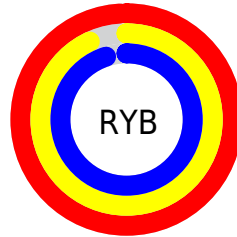
The XYZ color **86.9699, 87.9221, 97.1809** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8422, 94.9728, 101.7549**, and the grayscale version is **84.7648, 89.1791, 97.1161**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2585, 48.3714, 53.8068** is the 20% darker color. If you saturate the color by 10%, you get **77.8692, 73.3792, 82.8664**, and if you desaturate by 10%, it is **94.3186, 99.6229, 108.8658**.

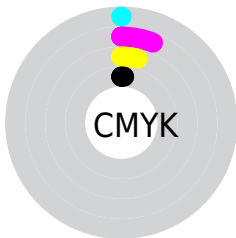
Distribution



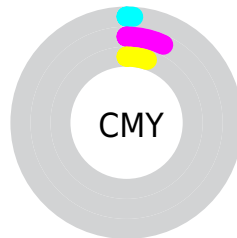
- Red (99%)
- Green (93%)
- Blue (95%)



- Red (99%)
- Yellow (93%)
- Blue (95%)



- Cyan (0%)
- Magenta (6%)
- Yellow (4%)
- Black (1%)





- Cyan (1%)
- Magenta (7%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.9699, 87.9221, 97.1809 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 86.9699, 87.9221, 97.1809 by changing the saturation by 10% instead.

 86.9699, 87.9221,
97.1809

 86.9699, 87.9221,
97.1809


506.5100,
521.2481, 572.2853

 65.7982, 66.2586,
73.3446


142.0221,
144.4487, 159.2956

 48.3757, 48.4823,
53.7642


176.6333,
180.0805, 198.4110

 34.3370, 34.2090,
38.0213


216.4551,
221.1373, 243.4566

 23.3167, 23.0542,
25.6973

261.8528,
268.0033, 294.8509

 14.9495, 14.6335,
16.3736

313.1918,
321.0630, 353.0123

 8.8701, 8.5626,
9.6317

370.8374,

 4.7130, 4.4570,

380.7008, 418.3595

5.0530

435.1550,
447.3010, 491.3110

■ 2.1129, 1.9323,
2.2191

■ 0.6962, 0.5677,
0.6854

■ 86.9699, 87.9221,
97.1809

■ 86.9699, 87.9221,
97.1809

■ 77.8692, 73.3792,
82.8664

94.3186, 99.6229,
108.8658

■ 69.9572, 60.8935,
69.9368

■ 63.1847, 50.3747,
58.3503

■ 57.4965, 41.7210,
48.0609

■ 52.8326, 34.8215,
39.0197

■ 49.1265, 29.5536,
31.1741

■ 46.3038, 25.7784,
24.4672

■ 44.2777, 23.3337,
18.8361

■ 42.9414, 22.0177,
14.2090

Harmonies

Analogous

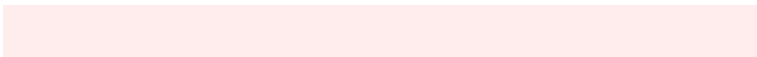
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2515, 87.9221, 101.9168



86.9699, 87.9221, 97.1809



86.7666, 87.9221, 92.2168

Triad

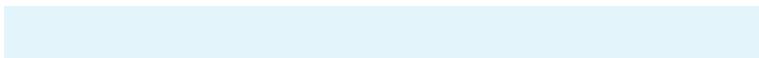
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9699, 87.9221, 97.1809



82.3306, 87.9221, 86.9664



81.4705, 87.9221, 103.5419

Complementary

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



86.9699, 87.9221, 97.1809



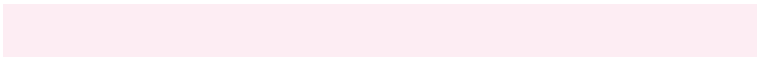
86.8422, 94.9728, 101.7549

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.



80.4477, 87.9221, 99.3359



86.9699, 87.9221, 97.1809



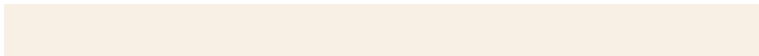
80.9394, 87.9221, 89.8030

Square

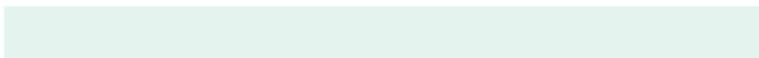
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



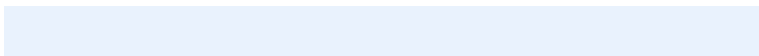
86.9699, 87.9221, 97.1809



84.0716, 87.9221, 86.4352



80.2547, 87.9221, 94.2980



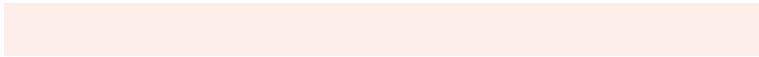
83.0650, 87.9221, 105.6731

Rectangle

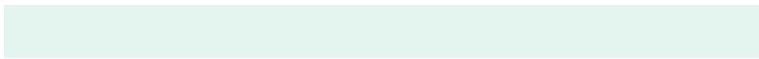
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



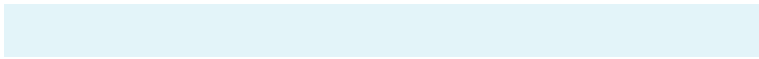
86.9699, 87.9221, 97.1809



86.1369, 87.9221, 89.4362



80.2547, 87.9221, 94.2980



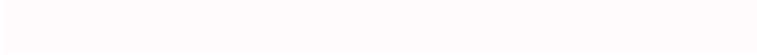
81.0494, 87.9221, 102.3170

Sweetspot

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



86.9724, 87.9259, 97.1828



92.9354, 96.5854, 105.6837



86.3277, 87.4143, 105.2525



19.9142, 20.7090, 22.6545



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

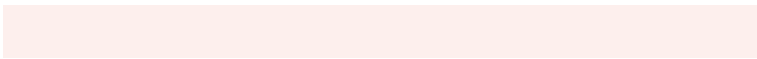
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9724, 87.9259, 97.1828



86.8980, 86.8735, 96.3870



86.6246, 88.6559, 92.6720



18.2910, 18.0997, 20.1494



22.7083, 11.5726, 7.1144



2.2619, 1.1471, 0.9607

Inverse Universe

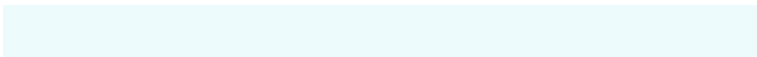
The Inverse Universe completely reimagines the original color for something new.



86.9724, 87.9259, 97.1828



86.8980, 86.8735, 96.3870



87.1964, 94.1765, 106.5119



18.2910, 18.0997, 20.1494



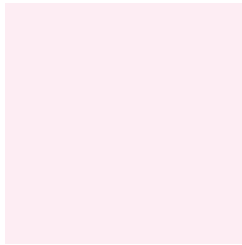
22.7083, 11.5726, 7.1144



2.2619, 1.1471, 0.9607

Previews

White Background



This preview shows how the XYZ color 86.9699, 87.9221, 97.1809 looks on a white background.

Color Contrast Check

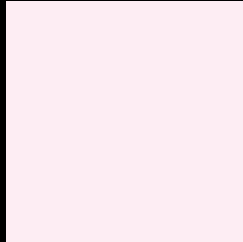
Large Text (above 18pt) WCAG AA × Fail

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 86.9699, 87.9221, 97.1809 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 86.9699, 87.9221, 97.1809

Background



This preview shows how black text looks on a background with the XYZ color 86.9699, 87.9221, 97.1809.



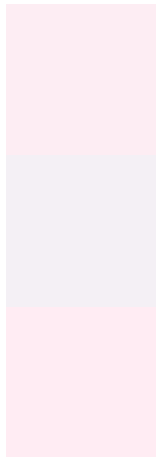
This preview shows how white text looks on a background with the XYZ color 86.9699, 87.9221,

97.1809.

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

86.9699, 87.9221, 97.1809

Protanopia

84.9497, 88.1458, 98.9227

Deuteranopia

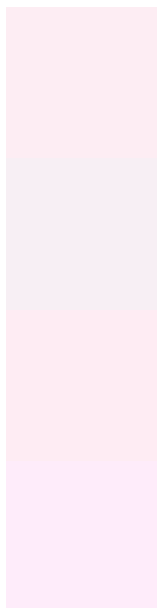
87.4131, 87.7220, 97.1189



Tritanopia

88.8377, 87.8324, 106.0370

Trichromacy



Original Color

86.9699, 87.9221, 97.1809

Protanomaly

85.5534, 88.0388, 98.0720

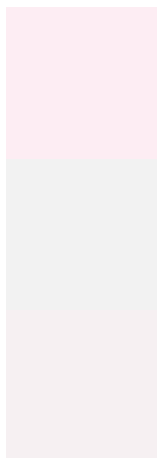
Deuteranomaly

87.0462, 87.5328, 97.1017

Tritanomaly

88.1238, 87.9639, 102.7766

Monochromacy



Original Color

86.9699, 87.9221, 97.1809

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.1931, 88.3238, 96.5624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9699, 87.9221, 97.1809 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(253, 237, 243) looks like.

```
.text, #text, p{  
    color:rgb(253, 237, 243)  
}
```

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(253, 237, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 237, 243) }
```

Border

The CSS property to change the border of an element to XYZ 86.9699, 87.9221, 97.1809 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(253, 237, 243) }
```


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

```
.border{ border-color:rgb(253, 237, 243) }
```

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

Here you see how a box with a 4 pixel rgb(253, 237, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 237, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 237, 243);  
box-shadow:4px 4px 4px 4px rgb(253, 237,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9699, 87.9221, 97.1809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 237, 243) }
```

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

```
.background{ background-color: rgb(253,  
237, 243) }
```

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