

Converting Colors

XYZ(87.6469, 86.5561,
106.6953)

Have a look what the booklet for
XYZ(87.6469, 86.5561, 106.6953)
contains.

XYZ(87.3338, 86.1933, 106.6417)	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(87.3338, 86.1933,
106.6417)**

Conversions

Conversions Part 1

Format	Color
Hex	FCE9FF
RGB	252, 233, 255
RGB Percent	99%, 91%, 100%
CMY	0.0118, 0.0863, 0.0000
CMYK	0.01, 0.09, 0.00, 0.00
HSL	292°, 100%, 96%
HSV	292°, 9%, 100%
XYZ	87.3338, 86.1933, 106.6417
YIQ	241.1890, 4.2620, 10.8700

Conversions

Conversions Part 2

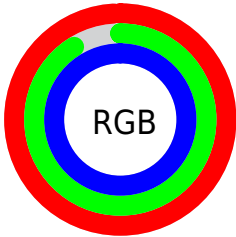
Format	Color
R _Y B	252, 233, 255
Decimal	16574975
CIE Lab	94.39, 10.25, -8.28
CIE LCh	94, 13.179, 321.065
Yxy	86.1933, 0.3117, 0.3076
Android (android.graphics.Color)	4294765055 (0xFFFFCE9FF)
YUV	241.1890, 6.8088, 9.4812
Hunter-Lab	92.8403, 5.4422, -3.1156

Details

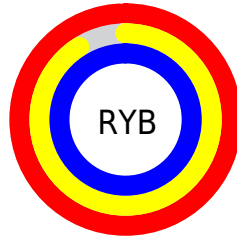
The XYZ color **87.3338, 86.1933, 106.6417** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.0623, 95.2371, 90.9945**, and the grayscale version is **83.7057, 88.0649, 95.9027**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4209, 47.1236, 59.9698** is the 20% darker color. If you saturate the color by 10%, you get **79.3836, 72.1438, 104.3489**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

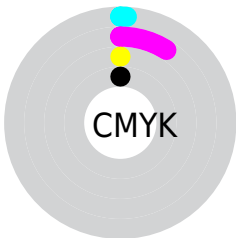
Distribution



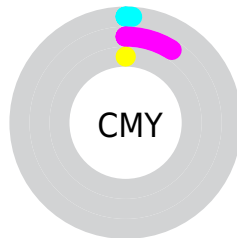
- Red (99%)
- Green (91%)
- Blue (100%)



- Red (99%)
- Yellow (91%)
- Blue (100%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.3338, 86.1933, 106.6417 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 87.3338, 86.1933, 106.6417 by changing the saturation by 10% instead.


 87.3338, 86.1933,
106.6417

 87.3338, 86.1933,
106.6417


507.6872,
515.5684, 602.7107

 66.1004, 64.8278,
81.2111


142.5266,
142.0392, 172.3861

 48.6219, 47.3215,
60.1834


177.2167,
177.2884, 213.5369

 34.5330, 33.2899,
43.1402

217.1231,
217.9343, 260.7648

 23.4682, 22.3486,
29.6630

262.6112,
264.3614, 314.4885

 15.0622, 14.1133,
19.3330

314.0463,
316.9539, 375.1264

 8.9496, 8.1995,
11.7319

371.7938,

 4.7652, 4.2229,

376.0963, 443.0970

6.4411

436.2190,
442.1730, 518.8189

■ 2.1435, 1.7990,
3.0420

■ 0.7127, 0.4865,
1.1161

■ 87.3338, 86.1933,
106.6417

■ 87.3338, 86.1933,
106.6417

■ 79.3836, 72.1438,
104.3489

95.0500, 100.0000,
108.9000

■ 72.4525, 60.0996,
102.3895

■ 66.4951, 49.9688,
100.7480

■ 61.4595, 41.6481,
99.4074

■ 57.2890, 35.0242,
98.3486

■ 53.9207, 29.9711,
97.5508

■ 51.2825, 26.3454,
96.9900

■ 49.2895, 23.9770,
96.6379

■ 47.8203, 22.6237,
96.4541

Harmonies

Analogous

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



84.3951, 86.1933, 113.2422



87.3338, 86.1933, 106.6417



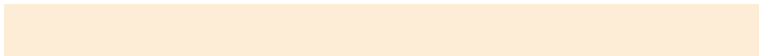
88.8341, 86.1933, 96.9103

Triad

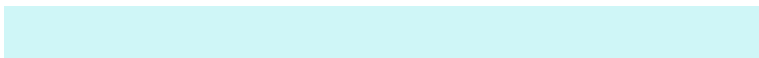
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3338, 86.1933, 106.6417



82.9859, 86.1933, 75.8793



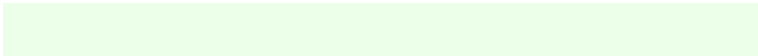
75.7349, 86.1933, 101.0324

Complementary

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



87.3338, 86.1933, 106.6417



85.0623, 95.2371, 90.9945

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.



75.3822, 86.1933, 90.8545



87.3338, 86.1933, 106.6417



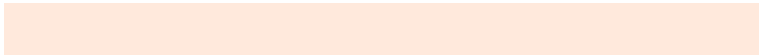
79.5019, 86.1933, 76.8083

Square

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



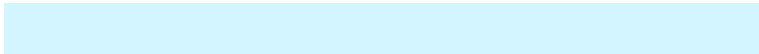
87.3338, 86.1933, 106.6417



86.2767, 86.1933, 79.4881



76.7426, 86.1933, 82.1242



77.7205, 86.1933, 109.8450

Rectangle

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



87.3338, 86.1933, 106.6417



88.7877, 86.1933, 90.1580



76.7426, 86.1933, 82.1242



75.4238, 86.1933, 97.6411

Sweetspot

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



87.3361, 86.1969, 106.6423



92.2753, 95.0185, 108.0847



81.7395, 84.7113, 106.6505



19.5955, 20.0599, 23.0891



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.



87.3361, 86.1969, 106.6423



86.1805, 84.1424, 106.3066



87.2157, 86.2752, 100.2963



18.5348, 18.1674, 22.7797



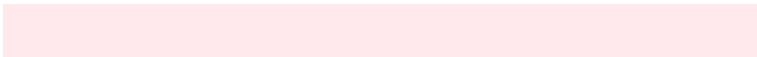
24.9857, 11.7911, 50.3936



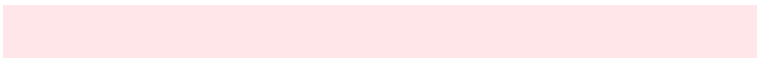
2.4971, 1.1812, 4.9097

Inverse Universe

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



85.5215, 85.5975, 91.3746



84.1024, 83.4576, 88.7492



85.1992, 95.1778, 96.8680



18.1102, 18.0274, 19.1974



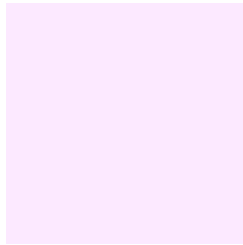
21.7360, 11.1837, 1.9945



2.1457, 1.1007, 0.3489

Previews

White Background



This preview shows how the XYZ color 87.3338, 86.1933, 106.6417 looks on a white background.

Color Contrast Check

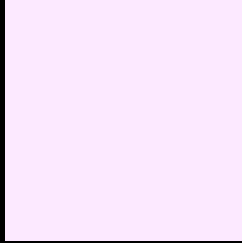
Large Text (above 18pt) WCAG AA × Fail

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 87.3338, 86.1933, 106.6417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

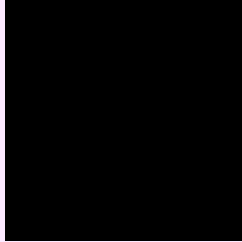
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

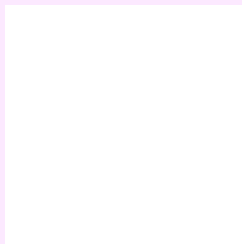
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.3338, 86.1933, 106.6417

Background



This preview shows how black text looks on a background with the XYZ color 87.3338, 86.1933, 106.6417.



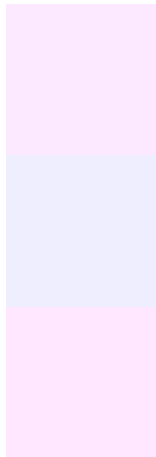
This preview shows how white text looks on a background with the XYZ color 87.3338, 86.1933,

106.6417.

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

87.3338, 86.1933, 106.6417

Protanopia

83.8844, 86.5462, 106.8916

Deuteranopia

88.1466, 86.1932, 106.5989



Tritanopia

87.1384, 86.5694, 104.2123

Trichromacy



Original Color

87.3338, 86.1933, 106.6417

Protanomaly

85.0076, 86.2656, 106.7783

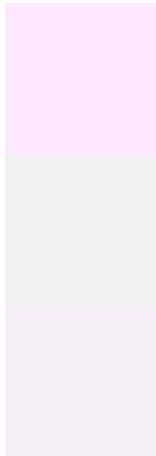
Deuteranomaly

87.7797, 86.0041, 106.5817

Tritanomaly

87.2973, 86.6329, 105.0493

Monochromacy



Original Color

87.3338, 86.1933, 106.6417

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.8653, 87.2154, 99.5501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.3338, 86.1933, 106.6417 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(252, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 233, 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(252, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 87.3338, 86.1933, 106.6417 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(252, 233, 255) }
```


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

```
.border{ border-color:rgb(252, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 87.3338, 86.1933, 106.6417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 233, 255) }
```

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

```
.background{ background-color: rgb(252,  
233, 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