

Converting Colors

XYZ(90.1989, 100.0000,
88.2890)

Have a look what the booklet for
XYZ(90.1989, 100.0000, 88.2890)
contains.

| | |
|--|----|
| XYZ(88.8305, 97.2612, 87.4902) | 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(88.8305, 97.2612,
87.4902)**

Conversions

| Conversions Part 1 | |
|--------------------|---------------------------|
| Format | Color |
| Hex | F9FFE4 |
| RGB | 249, 255, 228 |
| RGB Percent | 98%, 100%, 89% |
| CMY | 0.0235, 0.0000, 0.1059 |
| CMYK | 0.02, 0.00, 0.11, 0.00 |
| HSL | 73°, 100%, 95% |
| HSV | 73°, 11%, 100% |
| XYZ | 88.8305, 97.2612, 87.4902 |
| YIQ | 250.1280, 5.0910, -9.6690 |

Conversions

Conversions Part 2

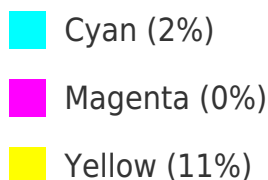
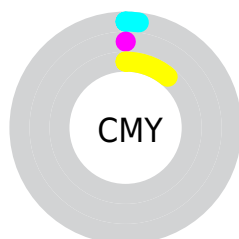
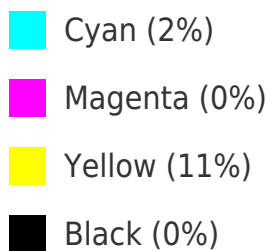
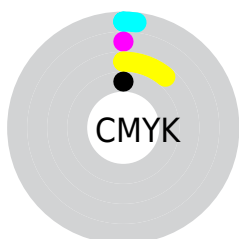
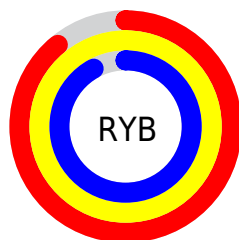
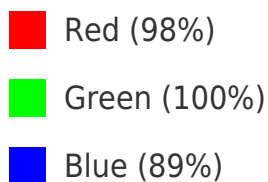
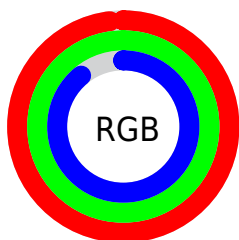
| Format | Color |
|-------------------------------------|---|
| RYB | 228, 255, 234 |
| Decimal | 16383972 |
| CIELab | 98.93, -6.54, 12.22 |
| CIELCh | 99, 13.861, 118.154 |
| Yxy | 97.2612, 0.3247, 0.3555 |
| Android (android.graphics.Color) | 4294574052 (0xFFFF9FFE4) |
| YUV | 250.1280, -10.9091, -0.9893 |
| Hunter-Lab | 98.6211, -11.8075, 16.4365 |

Details

The XYZ color 88.8305, 97.2612, 87.4902 is a light color, and the websafe version is hex FFFFCF. A complement of this color would be 79.7259, 80.2004, 105.8860, and the grayscale version is 91.0558, 95.7978, 104.3238.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.7292, 54.7428, 47.4806 is the 20% darker color. If you saturate the color by 10%, you get 83.5581, 94.9224, 70.1071, and if you desaturate by 10%, it is 94.6874, 99.8408, 107.6289.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 88.8305, 97.2612, 87.4902 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 88.8305, 97.2612, 87.4902 by changing the saturation by 10% instead.


 88.8305, 97.2612,
87.4902

 88.8305, 97.2612,
87.4902


512.5139,
551.3789, 540.1903

 67.3442, 74.0184,
65.3390


144.5995,
157.3849, 145.7521

 49.6361, 54.8091,
47.2829


179.6128,
195.0345, 182.6999

 35.3409, 39.2489,
32.9034


219.8658,
238.2553, 225.4169

 24.0934, 26.9534,
21.7820

265.7239,
287.4315, 274.3218

 15.5280, 17.5382,
13.5000

317.5524,
342.9476, 329.8330

 9.2795, 10.6190,
7.6390


375.7167,


 4.9825, 5.8112,


405.1879, 392.3692


3.7804


440.5820,
474.5369, 462.3487

 2.2717, 2.7306,
1.5057


 0.7801, 0.9928,
0.2221

 88.8305, 97.2612,
87.4902

 88.8305, 97.2612,
87.4902


 83.5581, 94.9224,
70.1071


94.6874, 99.8408,
107.6289


 78.8449, 92.8143,
55.3554


95.0500, 100.0000,
108.9000


 74.6664, 90.9270,
43.1077


 70.9958, 89.2497,
33.2244

 67.8033, 87.7704,
25.5521

 65.0558, 86.4758,
19.9197

 62.7155, 85.3508,
16.1305

 60.7371, 84.3771,
13.9495

 59.1383, 83.5720,
13.0141

Harmonies

Analogous

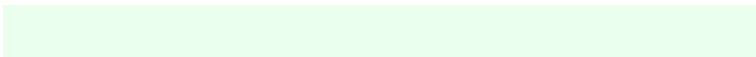
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6940, 97.2612, 85.2054



88.8305, 97.2612, 87.4902



86.0075, 97.2612, 94.6023

Triad

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



88.8305, 97.2612, 87.4902



88.4096, 97.2612, 125.9234



100.4187, 97.2612, 106.6184

Complementary

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



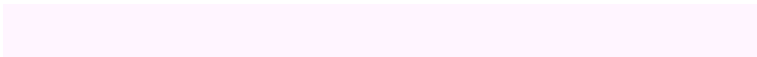
88.8305, 97.2612, 87.4902



79.7259, 80.2004, 105.8860

Split Complementary

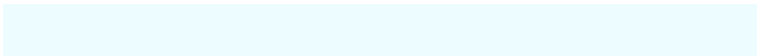
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.1936, 97.2612, 118.0651



88.8305, 97.2612, 87.4902



92.1941, 97.2612, 129.7024

Square

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



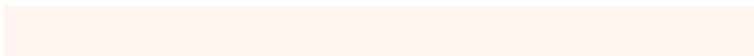
88.8305, 97.2612, 87.4902



85.7695, 97.2612, 116.7370



96.1539, 97.2612, 126.7286



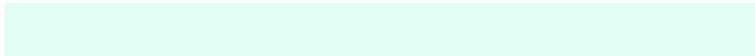
99.4558, 97.2612, 95.7570

Rectangle

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



88.8305, 97.2612, 87.4902



85.0553, 97.2612, 101.4040



96.1539, 97.2612, 126.7286



100.2484, 97.2612, 110.5288

Sweetspot

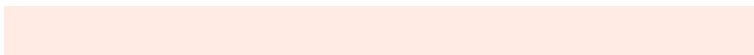
The Sweet Spot groups the original color and five complimentary colors.



88.8312, 97.2615, 87.4916



93.2200, 99.1961, 102.5127



84.6244, 85.6227, 85.4668



19.8502, 21.1869, 21.5858



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

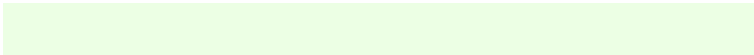
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.8312, 97.2615, 87.4916



87.5065, 96.6755, 83.0500



84.2403, 94.8948, 87.2768



19.1432, 20.8752, 19.1647



31.0351, 43.7372, 6.8064



3.1143, 4.3063, 0.6670

Inverse Universe

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



79.7259, 80.2004, 105.8860



76.5135, 76.0765, 105.2593



84.2755, 82.5458, 106.0989



17.3804, 17.5723, 22.7257



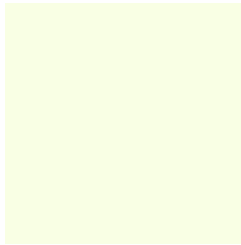
10.4067, 4.2754, 49.7113



1.1020, 0.4620, 4.8444

Previews

White Background



This preview shows how the XYZ color 88.8305, 97.2612, 87.4902 looks on a white background.

Color Contrast Check

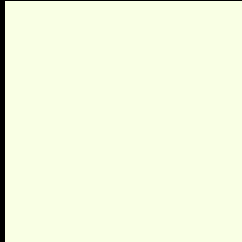
Large Text (above 18pt) WCAG AA × Fail

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 88.8305, 97.2612, 87.4902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

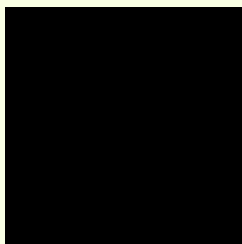
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.8305, 97.2612, 87.4902

Background



This preview shows how black text looks on a background with the XYZ color 88.8305, 97.2612, 87.4902.

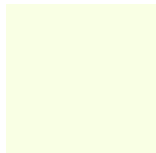


This preview shows how white text looks on a background with the XYZ color 88.8305, 97.2612,

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

88.8305, 97.2612, 87.4902



Protanopia

92.5318, 97.4734, 100.3235

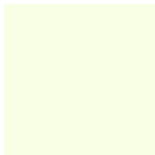
Deuteranopia

92.9925, 97.1565, 104.2943

Tritanopia

92.6921, 96.9098, 108.4278

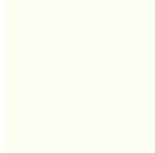
Trichromacy



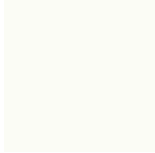
Original Color
88.8305, 97.2612, 87.4902



Protanomaly
91.2133, 97.3652, 95.6473

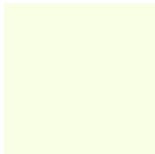


Deuteranomaly
91.3454, 96.9143, 97.8963

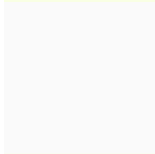


Tritanomaly
91.0755, 96.7226, 100.2553

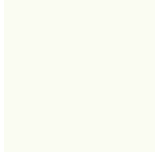
Monochromacy



Original Color
88.8305, 97.2612, 87.4902



Achromatopsia
90.8653, 95.5973, 104.1055



Achromatomaly
90.2618, 96.3556, 97.8456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.8305, 97.2612, 87.4902 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, 255, 228) looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 228)  
}
```

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, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 88.8305, 97.2612, 87.4902 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, 255, 228) }
```


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

```
.border{ border-color:rgb(249, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 88.8305, 97.2612, 87.4902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 228) }
```

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

```
.background{ background-color: rgb(249,  
255, 228) }
```

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