

Converting Colors

XYZ(88.0232, 96.9214, 83.9981)

Have a look what the booklet for
XYZ(88.0232, 96.9214, 83.9981)
contains.

XYZ(88.1462, 96.9875, 83.8867)	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(88.1462, 96.9875,
83.8867)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FFDF
RGB	249, 255, 223
RGB Percent	98%, 100%, 87%
CMY	0.0235, 0.0000, 0.1255
CMYK	0.02, 0.00, 0.13, 0.00
HSL	71°, 100%, 94%
HSV	71°, 13%, 100%
XYZ	88.1462, 96.9875, 83.8867
YIQ	249.5580, 6.6960, -11.2240

Conversions

Conversions Part 2

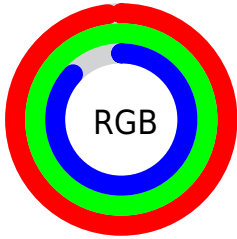
Format	Color
R _Y B	223, 255, 229
Decimal	16383967
CIE Lab	98.82, -7.33, 14.62
CIE LCh	99, 16.360, 116.634
Yxy	96.9875, 0.3277, 0.3605
Android (android.graphics.Color)	4294574047 (0xFFF9FFDF)
YUV	249.5580, -13.0931, -0.4894
Hunter-Lab	98.4822, -12.5781, 18.4346

Details

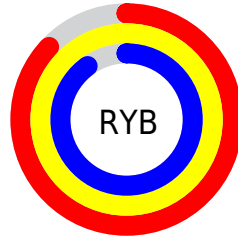
The XYZ color **88.1462, 96.9875, 83.8867** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.7516, 76.6546, 105.3583**, and the grayscale version is **90.6016, 95.3199, 103.8034**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.0002, 54.4218, 44.9677** is the 20% darker color. If you saturate the color by 10%, you get **83.2804, 94.8468, 67.0433**, and if you desaturate by 10%, it is **93.5745, 99.3582, 103.4620**.

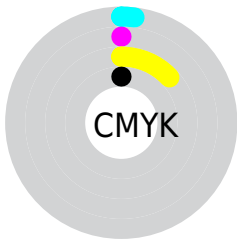
Distribution



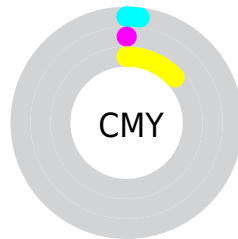
- Red (98%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (90%)



- Cyan (2%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 88.1462, 96.9875, 83.8867 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 88.1462, 96.9875, 83.8867 by changing the saturation by 10% instead.


 88.1462, 96.9875,
83.8867

 88.1462, 96.9875,
83.8867


510.3101,
550.5084, 527.9851

 66.7753, 73.7903,
62.3771


143.6522,
157.0076, 140.6770

 49.1721, 54.6224,
44.8997


178.5180,
194.5992, 176.7947

 34.9711, 39.0995,
31.0360


218.6129,
237.7578, 218.6189

 23.8070, 26.8371,
20.3676

264.3021,
286.8677, 266.5680

 15.3145, 17.4509,
12.4758

315.9511,
342.3133, 321.0607

 9.1282, 10.5565,
6.9421

373.9252,

 4.8827, 5.7695,

404.4790, 382.5154

3.3480

438.5898,
473.7492, 451.3507

■ 2.2126, 2.7054,
1.2750

■ 0.7494, 0.9799,
0.0412

■ 88.1462, 96.9875,
83.8867

■ 88.1462, 96.9875,
83.8867

■ 83.2804, 94.8468,
67.0433

■ 93.5745, 99.3582,
103.4620

■ 78.9517, 92.9259,
52.8060

95.0500, 100.0000,
108.9000

■ 75.1358, 91.2151,
41.0455

■ 71.8052, 89.7033,
31.6197

■ 68.9301, 88.3785,
24.3723

■ 66.4766, 87.2273,
19.1275

■ 64.4060, 86.2339,
15.6829

■ 62.6713, 85.3797,
13.7930

■ 61.5458, 84.8131,
13.1268

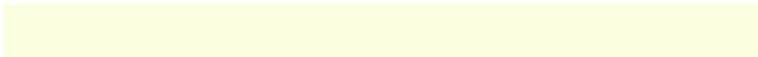
Harmonies

Analogous

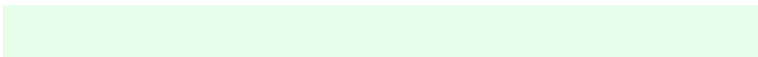
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7215, 96.9875, 81.5645



88.1462, 96.9875, 83.8867



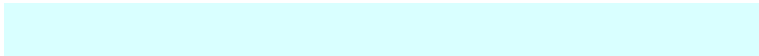
84.7579, 96.9875, 91.8485

Triad

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



88.1462, 96.9875, 83.8867



87.2469, 96.9875, 129.0117



101.6138, 96.9875, 107.1477

Complementary

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



88.1462, 96.9875, 83.8867



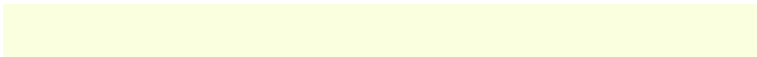
76.7516, 76.6546, 105.3583

Split Complementary

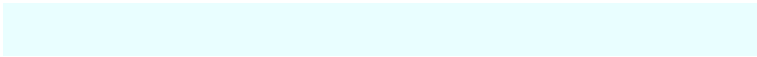
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.0310, 96.9875, 120.6662



88.1462, 96.9875, 83.8867



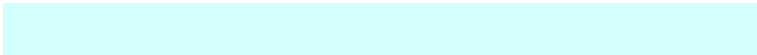
91.6480, 96.9875, 133.9533

Square

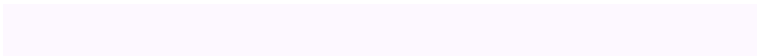
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



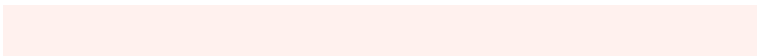
88.1462, 96.9875, 83.8867



84.2514, 96.9875, 117.7792



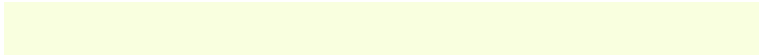
96.3427, 96.9875, 130.7765



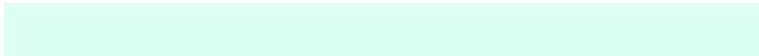
100.5990, 96.9875, 94.2961

Rectangle

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



88.1462, 96.9875, 83.8867



83.5729, 96.9875, 99.6655



96.3427, 96.9875, 130.7765



101.3666, 96.9875, 111.7716

Sweetspot

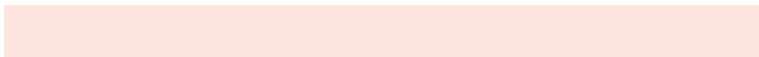
The Sweet Spot groups the original color and five complimentary colors.



88.1468, 96.9877, 83.8881



92.7509, 98.9995, 100.4465



82.5424, 82.5536, 81.3974



19.7622, 21.1506, 21.1703



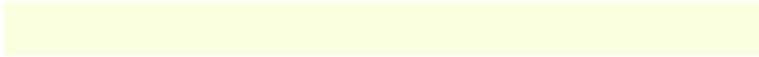
0.0000, 0.0000, 0.0000



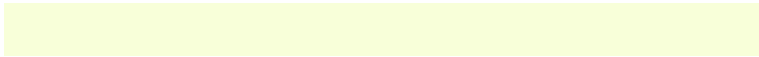
20.3446, 21.4041, 23.3091

Same Dimension

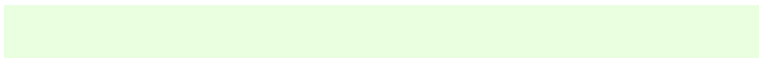
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.1468, 96.9877, 83.8881



86.9026, 96.4419, 79.5102



82.7278, 94.1941, 83.6345



19.2077, 20.9085, 19.1677



32.2787, 44.3784, 6.8646



3.2251, 4.3634, 0.6722

Inverse Universe

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



76.7516, 76.6546, 105.3583



73.5145, 72.5516, 104.7370



82.0481, 79.3850, 105.6062



17.3207, 17.5415, 22.7229



10.1540, 4.1451, 49.6995



1.0693, 0.4451, 4.8428

Previews

White Background



This preview shows how the XYZ color 88.1462, 96.9875, 83.8867 looks on a white background.

Color Contrast Check

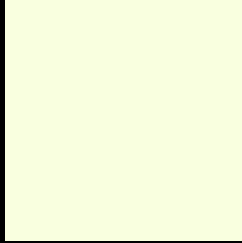
Large Text (above 18pt) WCAG AA × Fail

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 88.1462, 96.9875, 83.8867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

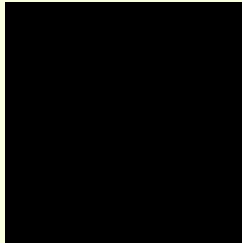
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 88.1462, 96.9875, 83.8867

Background



This preview shows how black text looks on a background with the XYZ color 88.1462, 96.9875, 83.8867.



This preview shows how white text looks on a background with the XYZ color 88.1462, 96.9875, 83.8867.

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

88.1462, 96.9875, 83.8867



Protanopia

91.9148, 96.7254, 98.6195

Deuteranopia

92.8361, 97.0939, 103.4705

Tritanopia

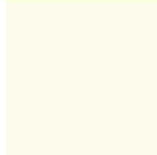
92.6921, 96.9098, 108.4278

Trichromacy



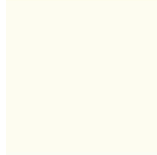
Original Color

88.1462, 96.9875, 83.8867



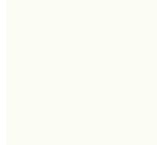
Protanomaly

90.4587, 96.5596, 93.2271



Deuteranomaly

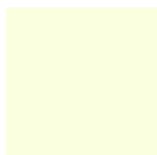
91.0466, 96.7947, 96.3227



Tritanomaly

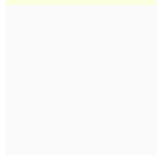
90.7717, 96.6011, 98.6557

Monochromacy



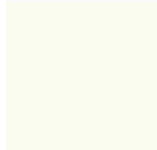
Original Color

88.1462, 96.9875, 83.8867



Achromatopsia

90.8653, 95.5973, 104.1055



Achromatomaly

89.9629, 96.2361, 96.2719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 88.1462, 96.9875, 83.8867 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 88.1462, 96.9875, 83.8867 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, 223) }
```


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

```
.border{ border-color:rgb(249, 255, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 88.1462, 96.9875, 83.8867 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, 223) }
```

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

```
.background{ background-color: rgb(249,  
255, 223) }
```

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