

Converting Colors

XYZ(81.9910, 94.1634, 67.8271)

Have a look what the booklet for
XYZ(81.9910, 94.1634, 67.8271)
contains.

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Color

**XYZ(82.0040, 94.1688,
67.8872)**

Conversions

Conversions Part 1

Format	Color
Hex	F0FFC7
RGB	240, 255, 199
RGB Percent	94%, 100%, 78%
CMY	0.0588, 0.0000, 0.2196
CMYK	0.06, 0.00, 0.22, 0.00
HSL	76°, 100%, 89%
HSV	76°, 22%, 100%
XYZ	82.0040, 94.1688, 67.8872
YIQ	244.1310, 9.0360, -20.5960

Conversions

Conversions Part 2

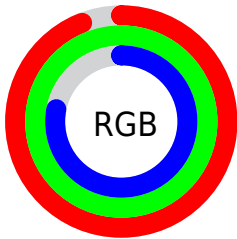
Format	Color
RYB	199, 255, 214
Decimal	15794119
CIELab	97.70, -14.09, 25.17
CIELCh	98, 28.850, 119.237
Yxy	94.1688, 0.3360, 0.3858
Android (android.graphics.Color)	4293984199 (0xFFFF0FFC7)
YUV	244.1310, -22.2496, -3.6229
Hunter-Lab	97.0406, -18.9800, 26.4506

Details

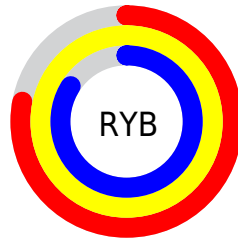
The XYZ color **82.0040, 94.1688, 67.8872** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.2060, 62.3643, 103.1558**, and the grayscale version is **86.2606, 90.7529, 98.8299**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0721, 52.6228, 34.5697** is the 20% darker color. If you saturate the color by 10%, you get **77.0115, 91.9090, 53.4717**, and if you desaturate by 10%, it is **87.5810, 96.6726, 84.9224**.

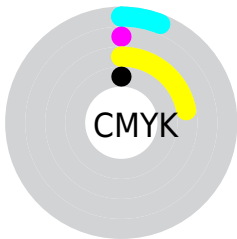
Distribution



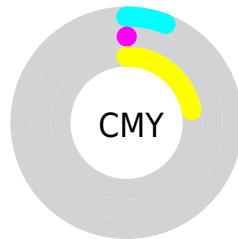
- Red (94%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.0040, 94.1688, 67.8872 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 82.0040, 94.1688, 67.8872 by changing the saturation by 10% instead.


 82.0040, 94.1688,
67.8872

 82.0040, 94.1688,
67.8872


490.2954,
541.5005, 471.6835

 61.6830, 71.4434,
49.3399

135.1154,
153.1158, 117.8434

 45.0312, 52.7041,
34.5216


168.6365,
190.1061, 150.0894

 31.6834, 37.5666,
23.0140

207.2883,
232.6202, 187.7387

 21.2741, 25.6465,
14.3985

251.4361,
281.0424, 231.2098

 13.4381, 16.5594,
8.2564

301.4454,
335.7571, 280.9213

 7.8100, 9.9208,
4.1693

357.6815,

 4.0244, 5.3465,

397.1488, 337.2917

1.7187

420.5097,
465.6018, 400.7396

■ 1.7159, 2.4520,
0.3735

■ 0.4662, 0.8524,
0.0000

■ 82.0040, 94.1688,
67.8872

■ 82.0040, 94.1688,
67.8872

■ 77.0115, 91.9090,
53.4717

■ 87.5810, 96.6726,
84.9224

■ 72.5763, 89.8820,
41.5417

■ 93.7649, 99.4293,
104.6942

■ 68.6711, 88.0769,
31.9571

■ 95.0500, 100.0000,
108.9000

■ 65.2655, 86.4814,
24.5625

■ 62.3253, 85.0817,
19.1836

■ 59.8114, 83.8620,
15.6196

■ 57.6768, 82.8034,
13.6283

■ 56.1795, 82.0466,
12.8756

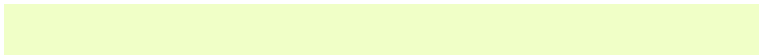
Harmonies

Analogous

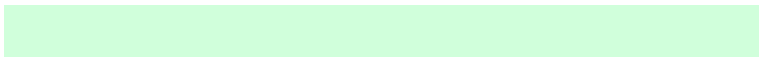
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7152, 94.1688, 63.6027



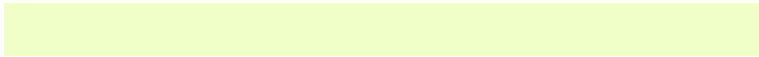
82.0040, 94.1688, 67.8872



76.5974, 94.1688, 81.0784

Triad

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



82.0040, 94.1688, 67.8872



81.6607, 94.1688, 146.5603



106.2586, 94.1688, 103.1376

Complementary

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



82.0040, 94.1688, 67.8872



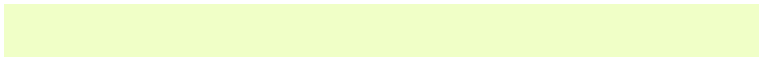
66.2060, 62.3643, 103.1558

Split Complementary

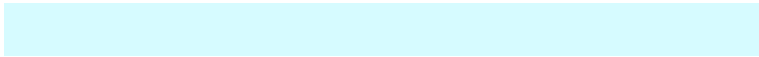
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.7860, 94.1688, 127.4751



82.0040, 94.1688, 67.8872



89.2944, 94.1688, 154.7872

Square

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



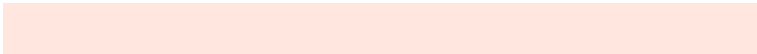
82.0040, 94.1688, 67.8872



76.4079, 94.1688, 126.2721



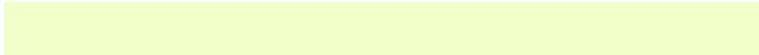
97.4492, 94.1688, 147.3263



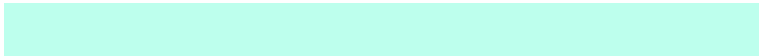
104.0184, 94.1688, 81.9742

Rectangle

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



82.0040, 94.1688, 67.8872



74.8566, 94.1688, 94.3103



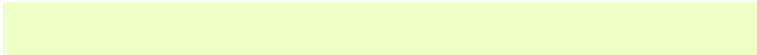
97.4492, 94.1688, 147.3263



105.9487, 94.1688, 111.2220

Sweetspot

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



82.0045, 94.1690, 67.8886



90.5708, 98.0076, 94.3795



75.5792, 73.4439, 64.2269



19.3063, 20.9422, 19.9469



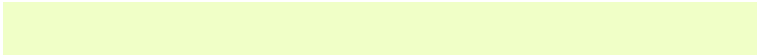
0.0000, 0.0000, 0.0000



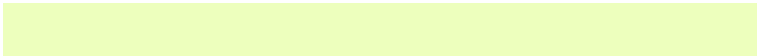
20.3446, 21.4041, 23.3091

Same Dimension

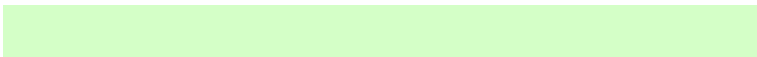
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0045, 94.1690, 67.8886



79.9184, 93.2272, 61.7560



73.2402, 89.6508, 67.4784



19.0587, 20.8317, 19.1607



29.5044, 42.9482, 6.7348



2.9767, 4.2353, 0.6606

Inverse Universe

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



66.2060, 62.3643, 103.1558



61.7643, 56.6738, 102.2916



75.0692, 66.9334, 103.5706



17.4594, 17.6130, 22.7294



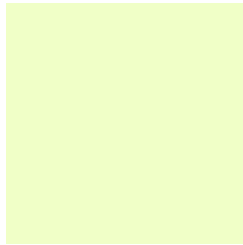
10.8082, 4.4823, 49.7301



1.1508, 0.4872, 4.8467

Previews

White Background



This preview shows how the XYZ color 82.0040, 94.1688, 67.8872 looks on a white background.

Color Contrast Check

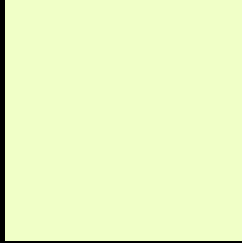
Large Text (above 18pt) WCAG AA × Fail

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 82.0040, 94.1688, 67.8872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

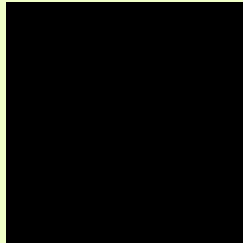
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

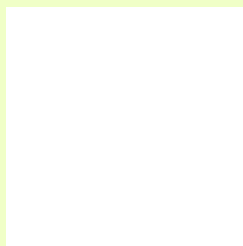
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.0040, 94.1688, 67.8872

Background



This preview shows how black text looks on a background with the XYZ color 82.0040, 94.1688, 67.8872.



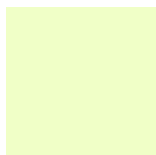
This preview shows how white text looks on a background with the XYZ color 82.0040, 94.1688,

67.8872.

Color Blindness Simulation

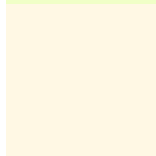
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



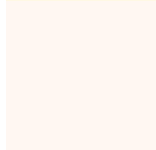
Original Color

82.0040, 94.1688, 67.8872



Protanopia

88.8110, 93.9962, 86.8610



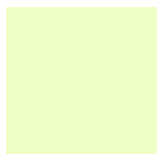
Deuteranopia

90.5278, 94.1923, 97.4140

Tritanopia

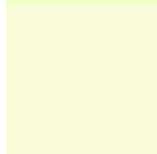
90.3777, 93.8813, 107.9652

Trichromacy



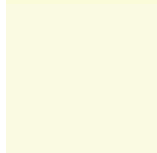
Original Color

82.0040, 94.1688, 67.8872



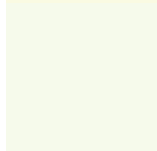
Protanomaly

86.4459, 94.3281, 79.2966



Deuteranomaly

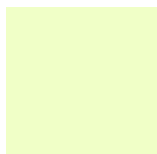
87.3374, 94.1862, 85.5281



Tritanomaly

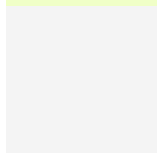
87.1870, 93.9622, 92.1385

Monochromacy



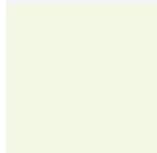
Original Color

82.0040, 94.1688, 67.8872



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.5331, 91.7909, 86.6608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0040, 94.1688, 67.8872 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(240, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(240, 255, 199)  
}
```

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(240, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 82.0040, 94.1688, 67.8872 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(240, 255, 199) }
```


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

```
.border{ border-color:rgb(240, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(240, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0040, 94.1688, 67.8872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 255, 199) }
```

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

```
.background{ background-color: rgb(240,  
255, 199) }
```

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](#).

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