

Converting Colors

XYZ(67.8743, 86.4655, 64.8615)

Have a look what the booklet for
XYZ(67.8743, 86.4655, 64.8615)
contains.

XYZ(67.7978, 86.4259, 64.7383)	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(67.7978, 86.4259,
64.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	C3FEC3
RGB	195, 254, 195
RGB Percent	76%, 100%, 76%
CMY	0.2353, 0.0039, 0.2353
CMYK	0.23, 0.00, 0.23, 0.00
HSL	120°, 97%, 88%
HSV	120°, 23%, 100%
XYZ	67.7978, 86.4259, 64.7383
YIQ	229.6330, -16.2250, -30.8570

Conversions

Conversions Part 2

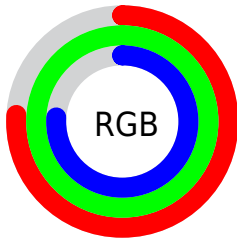
Format	Color
RYB	195, 254, 254
Decimal	12844739
CIELab	94.49, -29.52, 22.33
CIELCh	94, 37.015, 142.893
Yxy	86.4259, 0.3096, 0.3947
Android (android.graphics.Color)	4291034819 (0xFFC3FEC3)
YUV	229.6330, -17.0741, -30.3731
Hunter-Lab	92.9655, -32.5134, 23.7882

Details

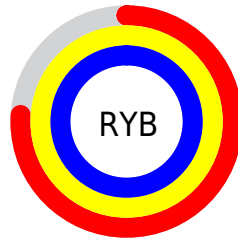
The XYZ color **67.7978, 86.4259, 64.7383** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.2805, 67.2586, 102.6260**, and the grayscale version is **75.0752, 78.9850, 86.0146**.

A 20% lighter version of the original color is **93.4756, 99.2437, 106.3247**, and **35.5892, 47.4310, 32.4787** is the 20% darker color. If you saturate the color by 10%, you get **59.1530, 82.2759, 50.5963**, and if you desaturate by 10%, it is **78.0521, 91.3541, 81.5092**.

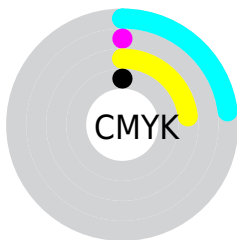
Distribution



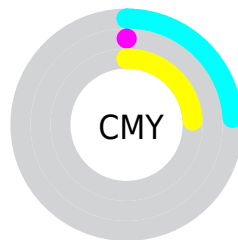
- Red (76%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7978, 86.4259, 64.7383 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 67.7978, 86.4259, 64.7383 by changing the saturation by 10% instead.

67.7978, 86.4259,
64.7383

67.7978, 86.4259,
64.7383

442.1672,
516.3345, 460.1314

50.0063, 65.0202,
46.7989

115.1063,
142.3637, 113.2832

35.6362, 47.4775,
32.5235

145.3541,
177.6645, 144.7258

24.3222, 33.4133,
21.4936

180.4847,
218.3659, 181.5065

15.6988, 22.4432,
13.2905

220.8634,
264.8523, 224.0440

9.4008, 14.1829,
7.4958

266.8557,
317.5079, 272.7566

5.0627, 8.2480,
3.6910

318.8269,

2.3192, 4.2541,

376.7172, 328.0631

1.4574

377.1423,
442.8646, 390.3818

■ 0.8045, 1.8167,
0.1859

■ 0.0000, 0.4975,
0.0000

■ 67.7978, 86.4259,
64.7383

■ 67.7978, 86.4259,
64.7383

■ 59.1530, 82.2759,
50.5963

■ 78.0521, 91.3541,
81.5092

■ 52.0296, 78.8542,
38.9447

■ 89.9845, 97.0859,
101.0266

■ 46.3417, 76.1220,
29.6410

■ 94.7335, 99.3671,
108.7945

■ 41.9919, 74.0326,
22.5260

■ 38.8708, 72.5334,
17.4208

■ 36.8518, 71.5635,
14.1182

■ 35.7810, 71.0492,
12.3666

■ 35.4436, 70.8871,
11.8147

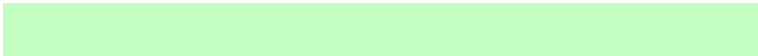
Harmonies

Analogous

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



74.9175, 86.4259, 52.0768



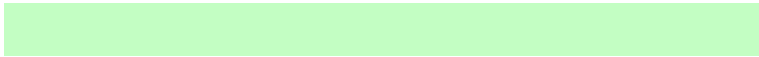
67.7978, 86.4259, 64.7383



64.5677, 86.4259, 87.4788

Triad

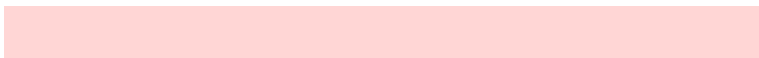
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7978, 86.4259, 64.7383



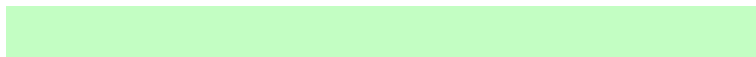
79.7984, 86.4259, 159.7029



101.0828, 86.4259, 74.3369

Complementary

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



67.7978, 86.4259, 64.7383



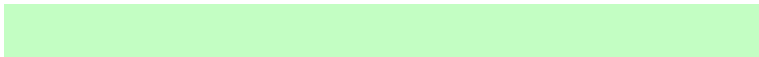
78.2805, 67.2586, 102.6260

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.



102.6543, 86.4259, 101.0537



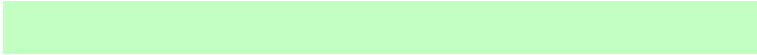
67.7978, 86.4259, 64.7383



89.8235, 86.4259, 154.2190

Square

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



67.7978, 86.4259, 64.7383



71.1237, 86.4259, 144.9772



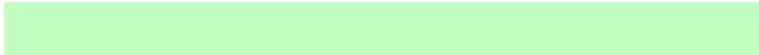
98.3862, 86.4259, 131.2261



94.2504, 86.4259, 56.7862

Rectangle

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



67.7978, 86.4259, 64.7383



64.8540, 86.4259, 106.8810



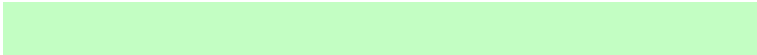
98.3862, 86.4259, 131.2261



102.2653, 86.4259, 82.3865

Sweetspot

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



67.8001, 86.4296, 64.7402



86.0432, 95.6736, 94.1679



86.1690, 95.8991, 65.5992



18.2592, 20.4024, 19.8980



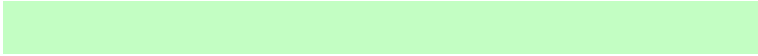
0.0000, 0.0000, 0.0000



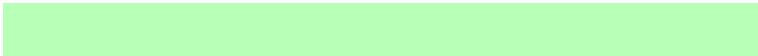
20.3446, 21.4041, 23.3091

Same Dimension

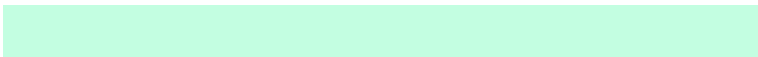
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8001, 86.4296, 64.7402



64.0415, 85.1050, 58.1802



71.4724, 87.8985, 84.0785



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2286



1.8193, 3.6387, 0.6065

Inverse Universe

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



78.2805, 67.2586, 102.6260



76.3473, 62.5949, 102.6647



73.9133, 65.5117, 79.6288



18.7927, 18.3004, 22.7917



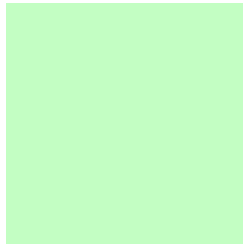
30.9799, 14.8813, 50.6720



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 67.7978, 86.4259, 64.7383 looks on a white background.

Color Contrast Check

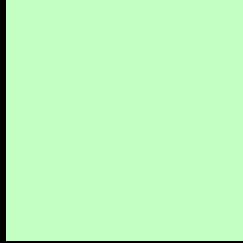
Large Text (above 18pt) WCAG AA × Fail

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 67.7978, 86.4259, 64.7383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

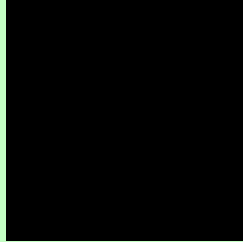
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

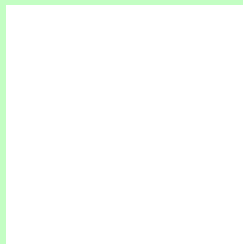
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7978, 86.4259, 64.7383

Background



This preview shows how black text looks on a background with the XYZ color 67.7978, 86.4259, 64.7383.



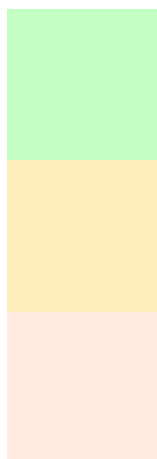
This preview shows how white text looks on a background with the XYZ color 67.7978, 86.4259,

64.7383.

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

67.7978, 86.4259, 64.7383

Protanopia

80.4172, 85.8078, 59.3378

Deuteranopia

84.2676, 86.0044, 81.9712



Tritanopia

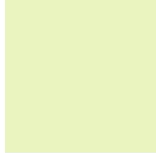
79.0155, 85.7843, 107.0012

Trichromacy



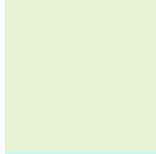
Original Color

67.7978, 86.4259, 64.7383



Protanomaly

75.2492, 85.7427, 61.2991



Deuteranomaly

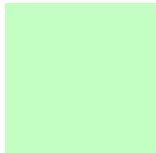
77.3666, 85.6320, 75.4018



Tritanomaly

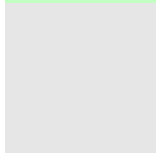
74.2421, 85.4964, 89.6803

Monochromacy



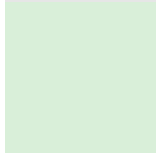
Original Color

67.7978, 86.4259, 64.7383



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0062, 81.4945, 77.5805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7978, 86.4259, 64.7383 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(195, 254, 195)` looks like.

```
.text, #text, p{  
    color:rgb(195, 254, 195)  
}
```

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(195, 254, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 254, 195) }
```

Border

The CSS property to change the border of an element to XYZ 67.7978, 86.4259, 64.7383 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(195, 254, 195) }
```


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

```
.border{ border-color:rgb(195, 254, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 254, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 254, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 254, 195);  
box-shadow:4px 4px 4px 4px rgb(195, 254,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7978, 86.4259, 64.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 254, 195) }
```

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

```
.background{ background-color: rgb(195,  
254, 195) }
```

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