

Converting Colors

XYZ(88.8395, 127.3753,
71.3169)

Have a look what the booklet for
XYZ(88.8395, 127.3753, 71.3169)
contains.

XYZ(68.8990, 87.4659, 64.8810)	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(68.8990, 87.4659,
64.8810)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FFC3
RGB	198, 255, 195
RGB Percent	78%, 100%, 76%
CMY	0.2235, 0.0000, 0.2353
CMYK	0.22, 0.00, 0.24, 0.00
HSL	117°, 100%, 88%
HSV	117°, 24%, 100%
XYZ	68.8990, 87.4659, 64.8810
YIQ	231.1170, -14.7120, -30.7440

Conversions

Conversions Part 2

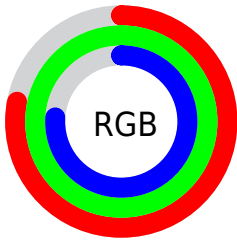
Format	Color
RYB	195, 255, 252
Decimal	13041603
CIELab	94.94, -29.02, 22.97
CIELCh	95, 37.008, 141.636
Yxy	87.4659, 0.3114, 0.3953
Android (android.graphics.Color)	4291231683 (0xFFC6FFC3)
YUV	231.1170, -17.8057, -29.0436
Hunter-Lab	93.5232, -32.1638, 24.3343

Details

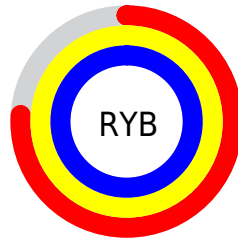
The XYZ color **68.8990, 87.4659, 64.8810** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.7109, 66.9469, 103.4340**, and the grayscale version is **76.1785, 80.1457, 87.2787**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **36.3295, 48.1509, 32.5786** is the 20% darker color. If you saturate the color by 10%, you get **60.3743, 83.3764, 50.6950**, and if you desaturate by 10%, it is **78.9385, 92.2794, 81.7106**.

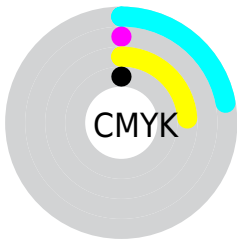
Distribution



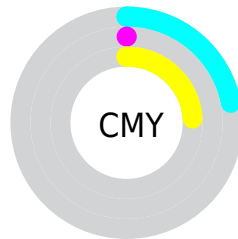
- Red (78%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (99%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8990, 87.4659, 64.8810 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 68.8990, 87.4659, 64.8810 by changing the saturation by 10% instead.


 68.8990, 87.4659,
64.8810

 68.8990, 87.4659,
64.8810


446.0016,
519.7526, 460.6587

 50.9058, 65.8808,
46.9139


116.6722,
143.8133, 113.4904

 36.3544, 48.1757,
32.6137


147.1828,
179.3445, 144.9697

 24.8794, 33.9660,
21.5620


182.5967,
220.2932, 181.7902

 16.1155, 22.8675,
13.3402

223.2792,
267.0437, 224.3704

 9.6973, 14.4957,
7.5297

269.5955,
319.9805, 273.1288

 5.2594, 8.4662,
3.7121

321.9111,

 2.4366, 4.3947,

379.4880, 328.4839

1.4688

380.5914,
445.9506, 390.8544

■ 0.8634, 1.8967,
0.1945

■ 0.0000, 0.5464,
0.0000

■ 68.8990, 87.4659,
64.8810

■ 68.8990, 87.4659,
64.8810

■ 60.3743, 83.3764,
50.6950

■ 78.9385, 92.2794,
81.7106

■ 53.2893, 79.9751,
39.0146

■ 90.5597, 97.8486,
101.3042

■ 47.5649, 77.2244,
29.6953

95.0500, 100.0000,
108.9000

■ 43.1138, 75.0828,
22.5765

■ 39.8387, 73.5038,
17.4775

■ 37.6277, 72.4346,
14.1888

■ 36.3479, 71.8118,
12.4555

■ 35.9223, 71.6036,
11.9276

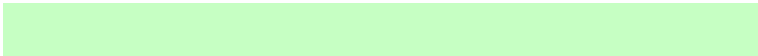
Harmonies

Analogous

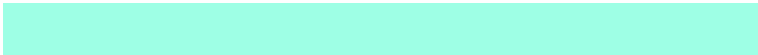
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2179, 87.4659, 52.5380



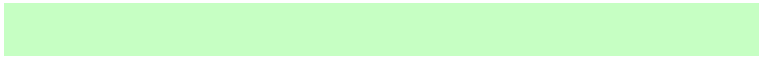
68.8990, 87.4659, 64.8810



65.4618, 87.4659, 87.4187

Triad

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



68.8990, 87.4659, 64.8810



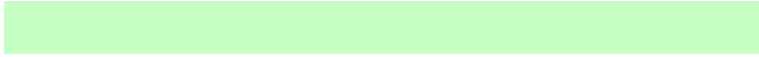
80.3575, 87.4659, 161.0652



102.3977, 87.4659, 76.2727

Complementary

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



68.8990, 87.4659, 64.8810



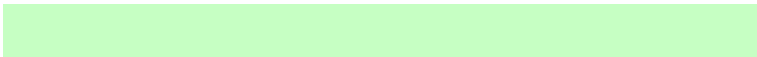
77.7109, 66.9469, 103.4340

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.



103.7302, 87.4659, 103.5049



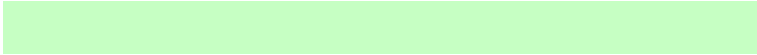
68.8990, 87.4659, 64.8810



90.4557, 87.4659, 156.4166

Square

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



68.8990, 87.4659, 64.8810



71.7200, 87.4659, 145.4880



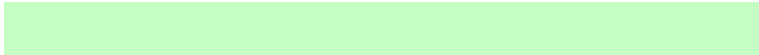
99.2053, 87.4659, 133.8303



95.6984, 87.4659, 58.1344

Rectangle

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



68.8990, 87.4659, 64.8810



65.6251, 87.4659, 106.8260



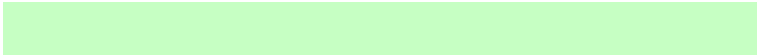
99.2053, 87.4659, 133.8303



103.5085, 87.4659, 84.5152

Sweetspot

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



68.8996, 87.4661, 64.8823



86.3421, 95.8276, 94.1816



85.9010, 94.8211, 65.4059



18.3281, 20.4379, 19.9012



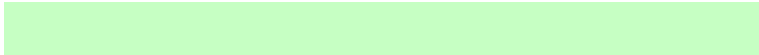
0.0000, 0.0000, 0.0000



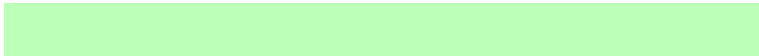
20.3446, 21.4041, 23.3091

Same Dimension

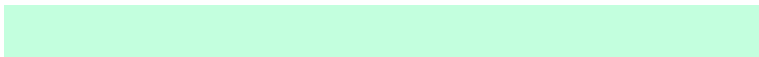
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8996, 87.4661, 64.8823



64.9047, 85.5500, 58.2198



71.4512, 88.3964, 82.4044



17.8555, 20.2114, 19.1044



18.8050, 37.4324, 6.2341



1.8592, 3.6592, 0.6083

Inverse Universe

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



77.7109, 66.9469, 103.4340



75.0467, 61.9244, 102.6050



74.7593, 65.8927, 82.1778



18.6977, 18.2514, 22.7873



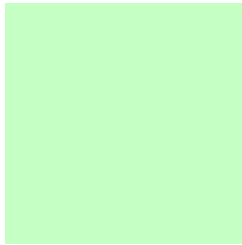
28.6500, 13.6801, 50.5651



2.8160, 1.3456, 4.9246

Previews

White Background



This preview shows how the XYZ color 68.8990, 87.4659, 64.8810 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 68.8990, 87.4659, 64.8810 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

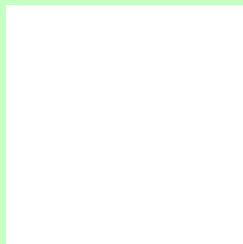
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8990, 87.4659, 64.8810

Background



This preview shows how black text looks on a background with the XYZ color 68.8990, 87.4659, 64.8810.

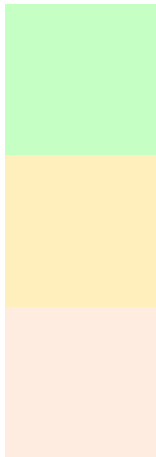


This preview shows how white text looks on a background with the XYZ color 68.8990, 87.4659,

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

68.8990, 87.4659, 64.8810

Protanopia

81.2918, 86.6671, 60.5880

Deuteranopia

84.8261, 86.6871, 83.4956



Tritanopia

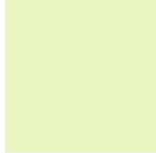
80.5320, 87.0092, 107.1577

Trichromacy



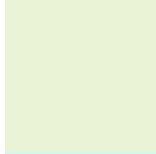
Original Color

68.8990, 87.4659, 64.8810



Protanomaly

75.9881, 86.5588, 61.9927



Deuteranomaly

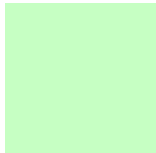
78.1199, 86.4486, 76.1872



Tritanomaly

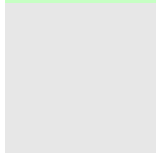
75.7003, 86.7009, 89.8359

Monochromacy



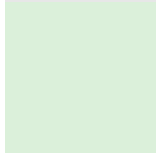
Original Color

68.8990, 87.4659, 64.8810



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0284, 82.4422, 78.3936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8990, 87.4659, 64.8810 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(198, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 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(198, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 68.8990, 87.4659, 64.8810 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(198, 255, 195) }
```


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

```
.border{ border-color:rgb(198, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8990, 87.4659, 64.8810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 195) }
```

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

```
.background{ background-color: rgb(198,  
255, 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