

Converting Colors

XYZ(73.8100, 98.0655, 56.0937)

Have a look what the booklet for
XYZ(73.8100, 98.0655, 56.0937)
contains.

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Color

**XYZ(68.4983, 87.4920,
54.3517)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFFB0
RGB	204, 255, 176
RGB Percent	80%, 100%, 69%
CMY	0.2000, 0.0000, 0.3098
CMYK	0.20, 0.00, 0.31, 0.00
HSL	99°, 100%, 85%
HSV	99°, 31%, 100%
XYZ	68.4983, 87.4920, 54.3517
YIQ	230.7450, -5.0370, -35.3810

Conversions

Conversions Part 2

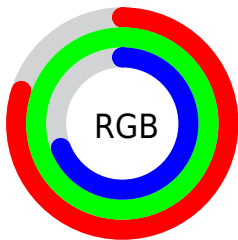
Format	Color
RYB	176, 255, 227
Decimal	13434800
CIELab	94.95, -29.94, 32.63
CIELCh	95, 44.286, 132.532
Yxy	87.4920, 0.3257, 0.4160
Android (android.graphics.Color)	4291624880 (0xFFCCFFB0)
YUV	230.7450, -26.9893, -23.4554
Hunter-Lab	93.5372, -32.9725, 31.0243

Details

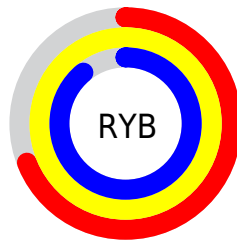
The XYZ color **68.4983, 87.4920, 54.3517** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **65.2550, 54.6029, 101.7078**, and the grayscale version is **75.9625, 79.9185, 87.0312**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **36.1637, 48.2078, 26.1379** is the 20% darker color. If you saturate the color by 10%, you get **61.9310, 84.3710, 42.0879**, and if you desaturate by 10%, it is **76.0174, 91.0487, 69.1364**.

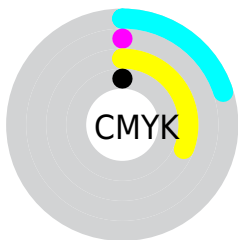
Distribution



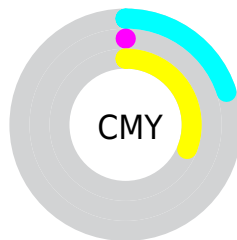
- Red (80%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (89%)



- Cyan (20%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4983, 87.4920, 54.3517 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 68.4983, 87.4920, 54.3517 by changing the saturation by 10% instead.


 68.4983, 87.4920,
54.3517

 68.4983, 87.4920,
54.3517


444.6086,
519.8382, 420.6622

 50.5784, 65.9024,
38.4878


 116.1027,
143.8497, 98.0520

 36.0929, 48.1932,
26.0568


146.5179,
179.3866, 126.7256

 24.6764, 33.9799,
16.6400


181.8289,
220.3415, 160.5061

 15.9635, 22.8782,
9.8189

222.4011,
267.0986, 199.8122

 9.5890, 14.5036,
5.1750

268.5998,
320.0425, 245.0622

 5.1875, 8.4717,
2.2898

320.7904,

 2.3936, 4.3983,

379.5574, 296.6749

0.7255

379.3382,
446.0279, 355.0687

■ 0.8419, 1.8987,
0.0000

■ 0.0000, 0.5476,
0.0000

■ 68.4983, 87.4920,
54.3517

■ 68.4983, 87.4920,
54.3517

■ 61.9310, 84.3710,
42.0879

■ 76.0174, 91.0487,
69.1364

■ 56.2730, 81.6672,
32.2003

■ 84.5256, 95.0579,
86.5679

■ 51.4797, 79.3609,
24.5356

■ 94.0597, 99.5357,
106.7683

■ 47.5024, 77.4306,
18.9210

■ 95.0500, 100.0000,
108.9000

■ 44.2860, 75.8525,
15.1579

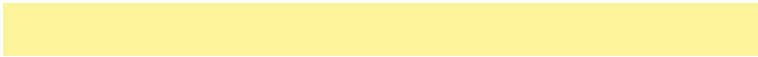
■ 41.7670, 74.5989,
13.0084

■ 40.0132, 73.7126,
12.1190

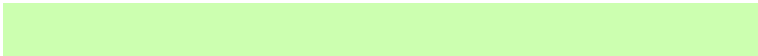
Harmonies

Analogous

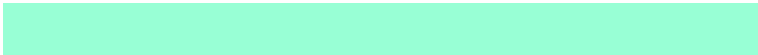
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2458, 87.4920, 44.1725



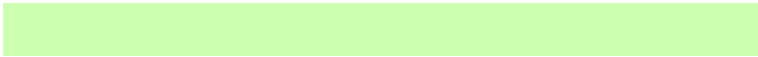
68.4983, 87.4920, 54.3517



63.0104, 87.4920, 76.7508

Triad

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



68.4983, 87.4920, 54.3517



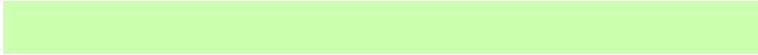
76.4145, 87.4920, 173.3416



107.8113, 87.4920, 81.6167

Complementary

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



68.4983, 87.4920, 54.3517



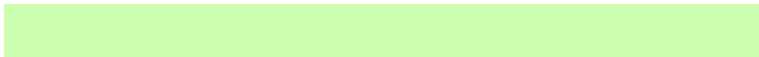
65.2550, 54.6029, 101.7078

Split Complementary

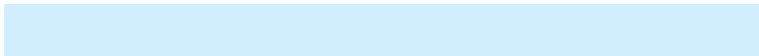
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.2000, 87.4920, 116.5377



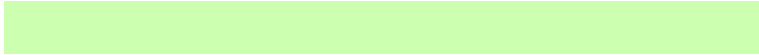
68.4983, 87.4920, 54.3517



88.2727, 87.4920, 175.5494

Square

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



68.4983, 87.4920, 54.3517



67.2692, 87.4920, 147.3564



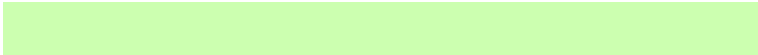
99.7741, 87.4920, 152.8126



101.3714, 87.4920, 57.1714

Rectangle

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



68.4983, 87.4920, 54.3517



62.1476, 87.4920, 98.2164



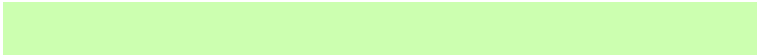
99.7741, 87.4920, 152.8126



108.4401, 87.4920, 92.3712

Sweetspot

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



68.4987, 87.4921, 54.3530



86.3302, 95.9065, 90.3429



76.2824, 78.8060, 52.2662



18.1935, 20.3940, 18.7409



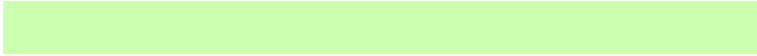
0.0000, 0.0000, 0.0000



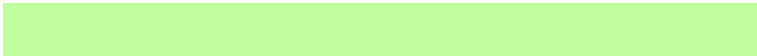
20.3446, 21.4041, 23.3091

Same Dimension

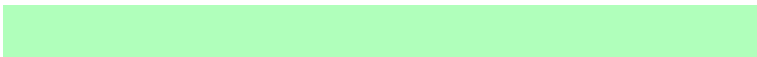
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4987, 87.4921, 54.3530



64.4333, 85.5620, 46.6757



62.5850, 84.3184, 59.7299



18.3790, 20.4813, 19.1289



21.0541, 38.5919, 6.3393



2.1635, 3.8161, 0.6225

Inverse Universe

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



65.2550, 54.6029, 101.7078



60.7236, 48.0479, 100.6814



73.1660, 58.8717, 93.4673



18.1314, 17.9595, 22.7608



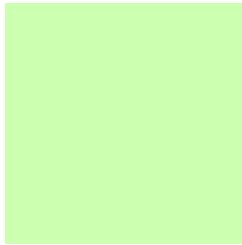
17.6670, 8.0181, 50.0511



1.8390, 0.8420, 4.8789

Previews

White Background



This preview shows how the XYZ color 68.4983, 87.4920, 54.3517 looks on a white background.

Color Contrast Check

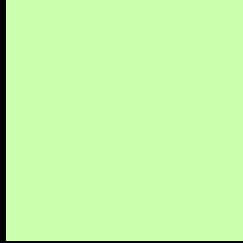
Large Text (above 18pt) WCAG AA × Fail

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 68.4983, 87.4920, 54.3517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

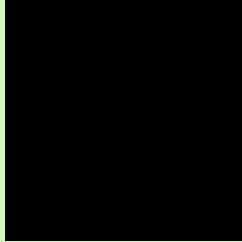
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

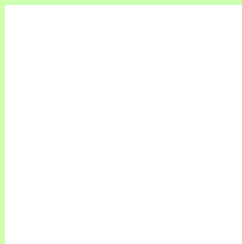
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4983, 87.4920, 54.3517

Background



This preview shows how black text looks on a background with the XYZ color 68.4983, 87.4920, 54.3517.

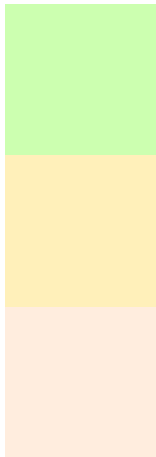


This preview shows how white text looks on a background with the XYZ color 68.4983, 87.4920,

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

68.4983, 87.4920, 54.3517

Protanopia

81.2630, 87.1253, 58.9882

Deuteranopia

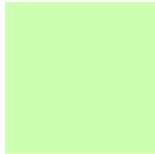
84.7090, 87.1023, 81.4550



Tritanopia

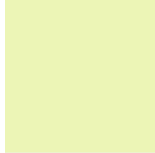
81.1662, 86.8930, 107.1019

Trichromacy



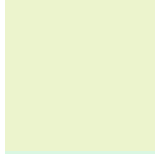
Original Color

68.4983, 87.4920, 54.3517



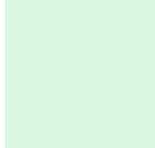
Protanomaly

75.6880, 86.5151, 56.9659



Deuteranomaly

77.9622, 86.9420, 70.4300



Tritanomaly

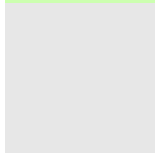
75.9017, 86.9179, 84.7279

Monochromacy



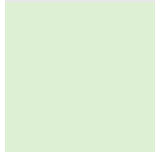
Original Color

68.4983, 87.4920, 54.3517



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.7368, 82.3955, 73.6983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4983, 87.4920, 54.3517 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(204, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 176)  
}
```

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(204, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 176) }
```

Border

The CSS property to change the border of an element to XYZ 68.4983, 87.4920, 54.3517 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(204, 255, 176) }
```


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

```
.border{ border-color:rgb(204, 255, 176) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4983, 87.4920, 54.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 176) }
```

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

```
.background{ background-color: rgb(204,  
255, 176) }
```

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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