

Converting Colors

XYZ(69.6724, 89.3789, 52.0356)

Have a look what the booklet for
XYZ(69.6724, 89.3789, 52.0356)
contains.

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Color

**XYZ(68.8428, 87.7257,
51.8324)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFFAB
RGB	207, 255, 171
RGB Percent	81%, 100%, 67%
CMY	0.1882, 0.0000, 0.3294
CMYK	0.19, 0.00, 0.33, 0.00
HSL	94°, 100%, 84%
HSV	94°, 33%, 100%
XYZ	68.8428, 87.7257, 51.8324
YIQ	231.0720, -1.6440, -36.3000

Conversions

Conversions Part 2

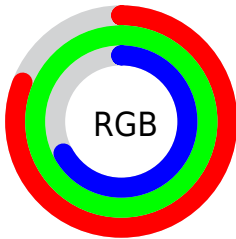
Format	Color
RYB	171, 255, 219
Decimal	13631403
CIELab	95.05, -29.61, 35.29
CIElCh	95, 46.072, 129.997
Yxy	87.7257, 0.3303, 0.4209
Android (android.graphics.Color)	4291821483 (0xFFCFFFAB)
YUV	231.0720, -29.6155, -21.1111
Hunter-Lab	93.6620, -32.7087, 32.7524

Details

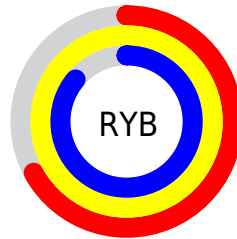
The XYZ color **68.8428, 87.7257, 51.8324** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.8274, 51.4071, 101.2717**, and the grayscale version is **76.2231, 80.1927, 87.3298**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **36.2266, 48.2755, 24.5483** is the 20% darker color. If you saturate the color by 10%, you get **62.7567, 84.8424, 40.0603**, and if you desaturate by 10%, it is **75.7745, 90.9906, 66.0941**.

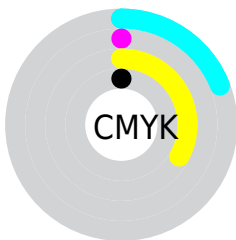
Distribution



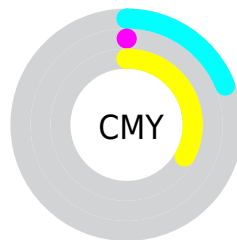
- Red (81%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (86%)



- Cyan (19%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8428, 87.7257, 51.8324 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 68.8428, 87.7257, 51.8324 by changing the saturation by 10% instead.

 68.8428, 87.7257,
51.8324

 68.8428, 87.7257,
51.8324


445.8064,
520.6045, 410.7278

 50.8599, 66.0959,
36.4902


 116.5923,
144.1752, 94.3081

 36.3177, 48.3503,
24.5203


147.0896,
179.7637, 122.2786

 24.8509, 34.1044,
15.5043

182.4891,
220.7740, 155.2957

 16.0941, 22.9738,
9.0235

223.1561,
267.5903, 193.7778

 9.6821, 14.5741,
4.6595

269.4559,
320.5971, 238.1435

 5.2493, 8.5211,
1.9937

321.7541,

 2.4305, 4.4301,

380.1789, 288.8114

0.5514

380.4158,
446.7199, 346.2000

■ 0.8604, 1.9170,
0.0000

■ 0.0000, 0.5585,
0.0000

■ 68.8428, 87.7257,
51.8324

■ 68.8428, 87.7257,
51.8324

■ 62.7567, 84.8424,
40.0603

■ 75.7745, 90.9906,
66.0941

■ 57.4776, 82.3242,
30.6309

■ 83.5850, 94.6516,
82.9732

■ 52.9658, 80.1539,
23.3879

■ 92.3075, 98.7229,
102.5931

■ 49.1765, 78.3124,
18.1546

■ 95.0500, 100.0000,
108.9000

■ 46.0595, 76.7781,
14.7262

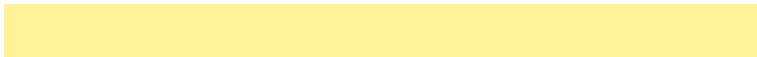
■ 43.5555, 75.5261,
12.8548

■ 42.1015, 74.7892,
12.2168

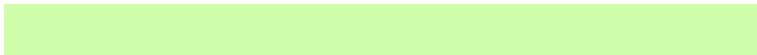
Harmonies

Analogous

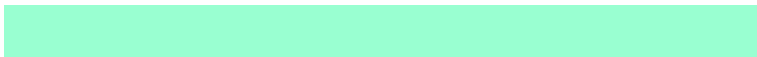
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.2705, 87.7257, 42.4315



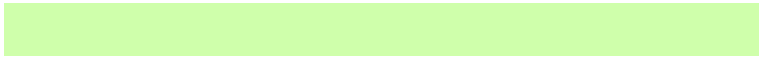
68.8428, 87.7257, 51.8324



62.7405, 87.7257, 73.8186

Triad

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



68.8428, 87.7257, 51.8324



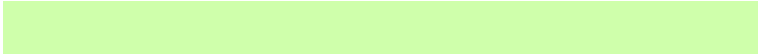
75.4125, 87.7257, 176.0702



109.4113, 87.7257, 84.0415

Complementary

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



68.8428, 87.7257, 51.8324



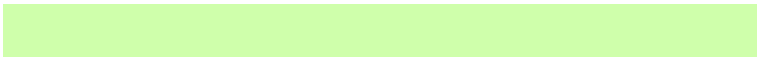
61.8274, 51.4071, 101.2717

Split Complementary

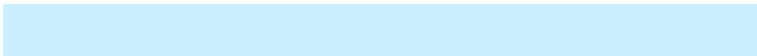
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.1136, 87.7257, 121.1016



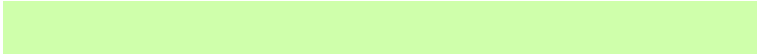
68.8428, 87.7257, 51.8324



87.6304, 87.7257, 180.7920

Square

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



68.8428, 87.7257, 51.8324



66.2621, 87.7257, 147.0475



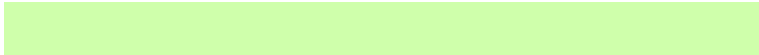
99.8333, 87.7257, 158.6811



103.2195, 87.7257, 57.6992

Rectangle

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



68.8428, 87.7257, 51.8324



61.5465, 87.7257, 95.5142



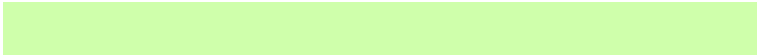
99.8333, 87.7257, 158.6811



109.8500, 87.7257, 95.5226

Sweetspot

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



68.8432, 87.7258, 51.8337



86.0536, 95.8054, 88.4521



73.8185, 74.6555, 49.0486



18.1643, 20.3873, 18.3655



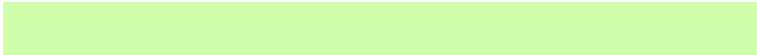
0.0000, 0.0000, 0.0000



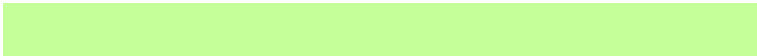
20.3446, 21.4041, 23.3091

Same Dimension

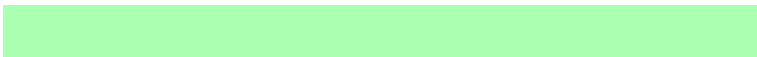
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8432, 87.7258, 51.8337



64.4607, 85.6515, 43.2720



60.4514, 83.3367, 54.2869



18.5097, 20.5487, 19.1351



22.1618, 39.1629, 6.3911



2.2799, 3.8761, 0.6280

Inverse Universe

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



61.8274, 51.4071, 101.2717



56.3875, 43.8938, 100.1081



72.9648, 57.2513, 97.1551



17.9968, 17.8901, 22.7545



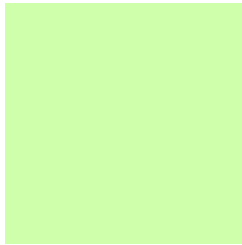
15.7737, 7.0421, 49.9625



1.6609, 0.7502, 4.8705

Previews

White Background



This preview shows how the XYZ color 68.8428, 87.7257, 51.8324 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 68.8428, 87.7257, 51.8324 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

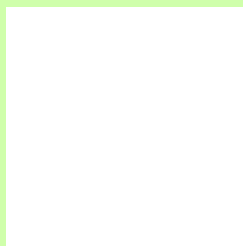
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8428, 87.7257, 51.8324

Background



This preview shows how black text looks on a background with the XYZ color 68.8428, 87.7257, 51.8324.



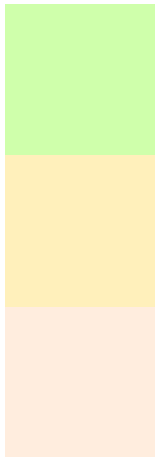
This preview shows how white text looks on a background with the XYZ color 68.8428, 87.7257,

51.8324.

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

68.8428, 87.7257, 51.8324

Protanopia

81.3697, 87.1680, 59.5502

Deuteranopia

84.7090, 87.1023, 81.4550



Tritanopia

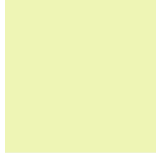
81.7970, 87.2182, 107.1314

Trichromacy



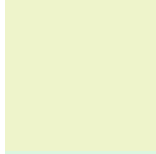
Original Color

68.8428, 87.7257, 51.8324



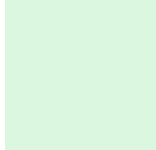
Protanomaly

76.2528, 86.8182, 56.4547



Deuteranomaly

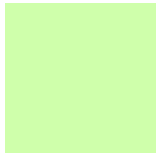
78.3901, 87.1903, 69.1977



Tritanomaly

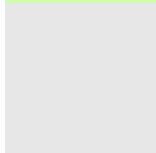
76.2305, 87.1190, 83.3189

Monochromacy



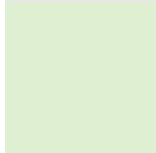
Original Color

68.8428, 87.7257, 51.8324



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.7929, 82.4532, 72.4001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8428, 87.7257, 51.8324 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(207, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 171)  
}
```

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(207, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 171) }
```

Border

The CSS property to change the border of an element to XYZ 68.8428, 87.7257, 51.8324 is called "border". The border property can be set on classes, ids or directly on the HTML element.

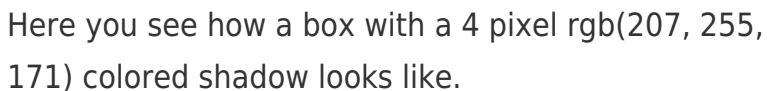
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 255, 171) }
```


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

```
.border{ border-color:rgb(207, 255, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 255, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 255, 171); box-shadow:4px 4px 4px 4px rgb(207, 255, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8428, 87.7257, 51.8324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 171) }
```

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

```
.background{ background-color: rgb(207,  
255, 171) }
```

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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