

Converting Colors

XYZ(69.2678, 85.6076, 51.4012)

Have a look what the booklet for
XYZ(69.2678, 85.6076, 51.4012)
contains.

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Color

**XYZ(69.2678, 85.6076,
51.4012)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FAAB
RGB	214, 250, 171
RGB Percent	84%, 98%, 67%
CMY	0.1608, 0.0196, 0.3294
CMYK	0.14, 0.00, 0.32, 0.02
HSL	87°, 89%, 83%
HSV	87°, 32%, 98%
XYZ	69.2678, 85.6076, 51.4012
YIQ	230.2300, 3.9030, -32.2010

Conversions

Conversions Part 2

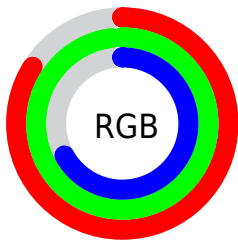
Format	Color
RYB	171, 250, 207
Decimal	14088875
CIELab	94.14, -24.81, 34.18
CIELCh	94, 42.230, 125.974
Yxy	85.6076, 0.3358, 0.4150
Android (android.graphics.Color)	4292278955 (0xFFD6FAAB)
YUV	230.2300, -29.2004, -14.2337
Hunter-Lab	92.5244, -28.2847, 31.8290

Details

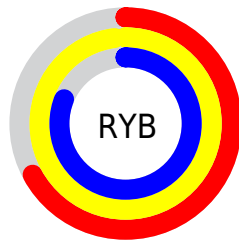
The XYZ color **69.2678, 85.6076, 51.4012** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.5539, 49.2958, 96.9288**, and the grayscale version is **75.5935, 79.5302, 86.6084**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **36.4405, 46.7170, 24.2362** is the 20% darker color. If you saturate the color by 10%, you get **63.8974, 83.0915, 39.8654**, and if you desaturate by 10%, it is **75.3259, 88.4314, 65.3253**.

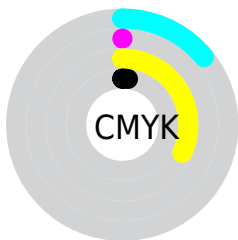
Distribution



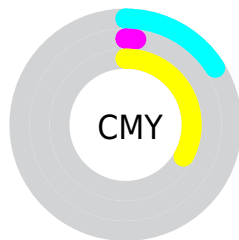
- Red (84%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (81%)



- Cyan (14%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)



- Cyan (16%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2678, 85.6076, 51.4012 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 69.2678, 85.6076, 51.4012 by changing the saturation by 10% instead.

■ 69.2678, 85.6076,
51.4012

■ 69.2678, 85.6076,
51.4012

447.2815,
513.6364, 409.0115

■ 51.2073, 64.3435,
36.1491

■ 117.1960,
141.2218, 93.6651

■ 36.5953, 46.9290,
24.2587

147.7943,
176.3407, 121.5139

■ 25.0665, 32.9795,
15.3117

183.3027,
216.8467, 154.3988

■ 16.2556, 22.1108,
8.8894

224.0863,
263.1241, 192.7381

■ 9.7972, 13.9383,
4.5733

270.5107,
315.5574, 236.9505

■ 5.3259, 8.0778,
1.9448

322.9411,

■ 2.4765, 4.1447,

374.5310, 287.4545

0.5210

381.7429,
440.4292, 344.6687

■ 0.8834, 1.7549,
0.0000

■ 0.0000, 0.4588,
0.0000

■ 69.2678, 85.6076,
51.4012

■ 69.2678, 85.6076,
51.4012

■ 63.8974, 83.0915,
39.8654

■ 75.3259, 88.4314,
65.3253

■ 59.1780, 80.8592,
30.5780

■ 82.0934, 91.5635,
81.7559

■ 55.0790, 78.9009,
23.3929

■ 89.5986, 95.0186,
100.8102

■ 51.5638, 77.2012,
18.1449

■ 93.4774, 96.8548,
108.3758

■ 48.5912, 75.7432,
14.6436

■ 46.1124, 74.5067,
12.6603

■ 44.3516, 73.6146,
11.8715

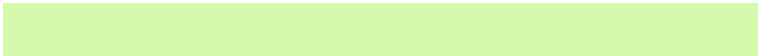
Harmonies

Analogous

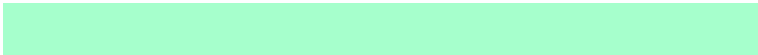
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1285, 85.6076, 44.0360



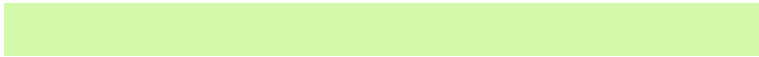
69.2678, 85.6076, 51.4012



63.1034, 85.6076, 70.1172

Triad

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



69.2678, 85.6076, 51.4012



72.8434, 85.6076, 162.3249



104.9290, 85.6076, 86.8888

Complementary

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



69.2678, 85.6076, 51.4012



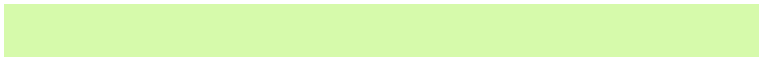
57.5539, 49.2958, 96.9288

Split Complementary

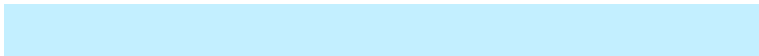
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.8538, 85.6076, 120.8916



69.2678, 85.6076, 51.4012



83.6483, 85.6076, 169.7446

Square

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



69.2678, 85.6076, 51.4012



65.0303, 85.6076, 134.7193



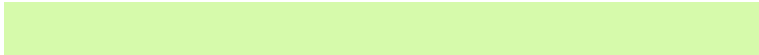
94.8000, 85.6076, 153.1360



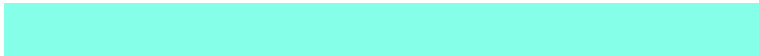
100.2344, 85.6076, 61.2480

Rectangle

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



69.2678, 85.6076, 51.4012



61.5733, 85.6076, 88.9142



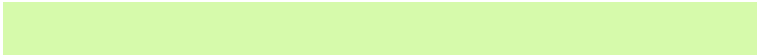
94.8000, 85.6076, 153.1360



105.0052, 85.6076, 97.6464

Sweetspot

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



69.2700, 85.6113, 51.4030



87.8287, 96.6790, 90.4130



68.9822, 67.6752, 47.9562



18.5619, 20.5840, 18.7581



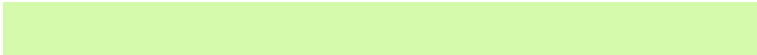
0.0000, 0.0000, 0.0000



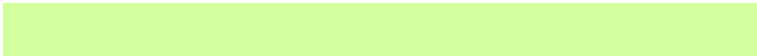
20.3446, 21.4041, 23.3091

Same Dimension

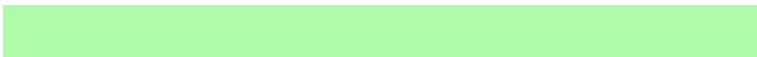
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.2700, 85.6113, 51.4030



68.7578, 87.8171, 45.7194



59.2069, 80.4236, 50.9321



17.9202, 19.7746, 18.3348



23.6924, 39.1322, 6.3045



2.3166, 3.6873, 0.5896

Inverse Universe

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



57.5539, 49.2958, 96.9288



54.7219, 44.3009, 100.2745



69.8451, 55.6321, 97.5040



17.0345, 17.0304, 21.7747



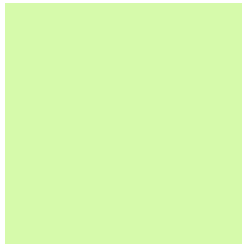
12.9904, 5.6395, 48.3774



1.3236, 0.5844, 4.4862

Previews

White Background



This preview shows how the XYZ color 69.2678, 85.6076, 51.4012 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 69.2678, 85.6076, 51.4012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

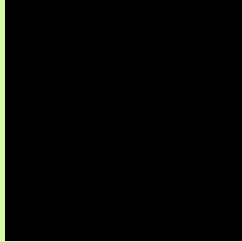
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

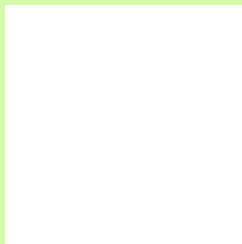
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.2678, 85.6076, 51.4012

Background



This preview shows how black text looks on a background with the XYZ color 69.2678, 85.6076, 51.4012.

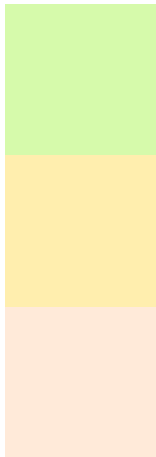


This preview shows how white text looks on a background with the XYZ color 69.2678, 85.6076,

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

69.2678, 85.6076, 51.4012

Protanopia

79.4545, 85.4651, 52.3531

Deuteranopia

83.1872, 85.1154, 77.6901



Tritanopia

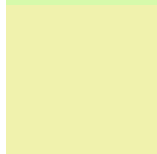
80.9114, 85.4470, 106.8362

Trichromacy



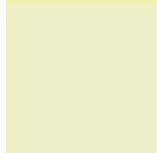
Original Color

69.2678, 85.6076, 51.4012



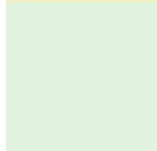
Protanomaly

75.2301, 85.0467, 51.9858



Deuteranomaly

77.5206, 85.0156, 66.9675



Tritanomaly

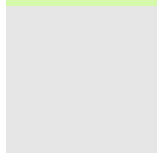
75.9366, 85.1710, 82.9584

Monochromacy



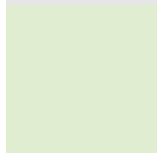
Original Color

69.2678, 85.6076, 51.4012



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.5333, 81.0191, 72.1369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.2678, 85.6076, 51.4012 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(214, 250, 171)` looks like.

```
.text, #text, p{  
    color:rgb(214, 250, 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(214, 250, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 250, 171) }
```

Border

The CSS property to change the border of an element to XYZ 69.2678, 85.6076, 51.4012 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(214, 250, 171) }
```


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

```
.border{ border-color:rgb(214, 250, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 250, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 250, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 250, 171);  
box-shadow:4px 4px 4px 4px rgb(214, 250,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 69.2678, 85.6076, 51.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 250, 171) }
```

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

```
.background{ background-color: rgb(214,  
250, 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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