

Converting Colors

XYZ(69.5687, 86.3633, 51.4226)

Have a look what the booklet for
XYZ(69.5687, 86.3633, 51.4226)
contains.

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Color

**XYZ(69.5794, 86.2308,
51.5051)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FBAB
RGB	214, 251, 171
RGB Percent	84%, 98%, 67%
CMY	0.1608, 0.0157, 0.3294
CMYK	0.15, 0.00, 0.32, 0.02
HSL	88°, 91%, 83%
HSV	88°, 32%, 98%
XYZ	69.5794, 86.2308, 51.5051
YIQ	230.8170, 3.6280, -32.7240

Conversions

Conversions Part 2

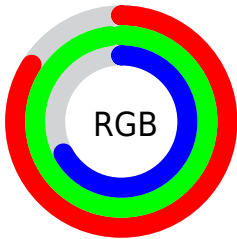
Format	Color
RYB	171, 251, 208
Decimal	14089131
CIELab	94.41, -25.28, 34.53
CIELCh	94, 42.796, 126.210
Yxy	86.2308, 0.3356, 0.4159
Android (android.graphics.Color)	4292279211 (0xFFD6FBAB)
YUV	230.8170, -29.4898, -14.7485
Hunter-Lab	92.8605, -28.7578, 32.1172

Details

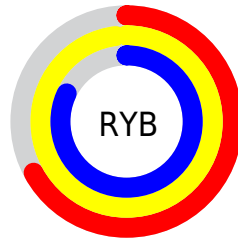
The XYZ color **69.5794, 86.2308, 51.5051** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.9916, 49.5033, 97.7702**, and the grayscale version is **76.0320, 79.9916, 87.1108**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **36.6624, 47.1607, 24.3102** is the 20% darker color. If you saturate the color by 10%, you get **64.1425, 83.6813, 39.9256**, and if you desaturate by 10%, it is **75.7166, 89.0941, 65.4923**.

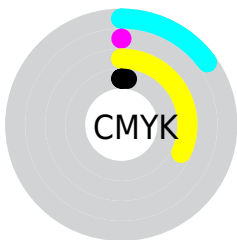
Distribution



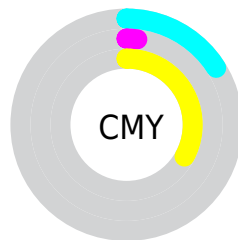
- Red (84%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5794, 86.2308, 51.5051 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 69.5794, 86.2308, 51.5051 by changing the saturation by 10% instead.


 69.5794, 86.2308,
51.5051

 69.5794, 86.2308,
51.5051


448.3613,
515.6919, 409.4255

 51.4621, 64.8588,
36.2312


 117.6383,
142.0915, 93.8201

 36.7990, 47.3466,
24.3217


148.3106,
177.3491, 121.6983

 25.2249, 33.3098,
15.3580


183.8986,
218.0039, 154.6150

 16.3743, 22.3638,
8.9216

224.7676,
264.4405, 192.9888

 9.8819, 14.1245,
4.5940

271.2830,
317.0432, 237.2382

 5.3824, 8.2073,
1.9565

323.8102,

 2.5104, 4.2279,

376.1964, 287.7818

0.5284

382.7145,
442.2845, 345.0380

■ 0.9005, 1.8018,
0.0000

■ 0.0000, 0.4883,
0.0000

■ 69.5794, 86.2308,
51.5051

■ 69.5794, 86.2308,
51.5051

■ 64.1425, 83.6813,
39.9256

■ 75.7166, 89.0941,
65.4923

■ 59.3685, 81.4215,
30.6122

■ 82.5762, 92.2719,
82.0070

■ 55.2262, 79.4410,
23.4172

■ 90.1871, 95.7792,
101.1678

■ 51.6783, 77.7244,
18.1728

■ 93.7890, 97.4780,
108.4797

■ 48.6828, 76.2542,
14.6860

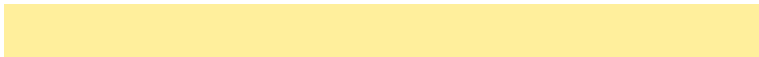
■ 46.1897, 75.0098,
12.7245

■ 44.4751, 74.1409,
11.9665

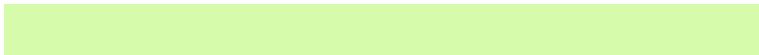
Harmonies

Analogous

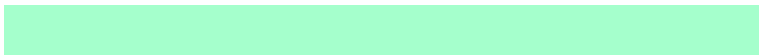
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5911, 86.2308, 43.9598



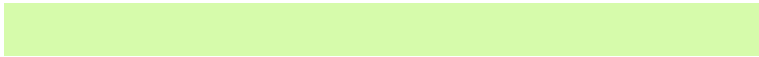
69.5794, 86.2308, 51.5051



63.3468, 86.2308, 70.5935

Triad

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



69.5794, 86.2308, 51.5051



73.3603, 86.2308, 164.5710



105.9645, 86.2308, 87.2057

Complementary

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



69.5794, 86.2308, 51.5051



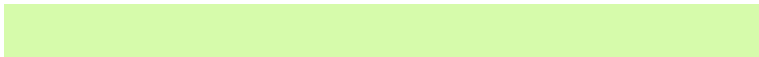
57.9916, 49.5033, 97.7702

Split Complementary

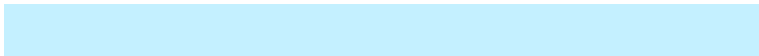
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.9024, 86.2308, 121.8208



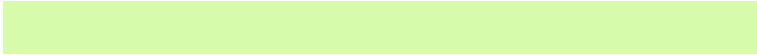
69.5794, 86.2308, 51.5051



84.3750, 86.2308, 171.9605

Square

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



69.5794, 86.2308, 51.5051



65.3827, 86.2308, 136.4874



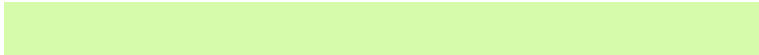
95.7280, 86.2308, 154.8120



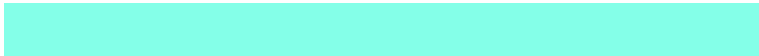
101.1258, 86.2308, 61.2303

Rectangle

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



69.5794, 86.2308, 51.5051



61.8177, 86.2308, 89.7672



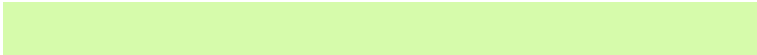
95.7280, 86.2308, 154.8120



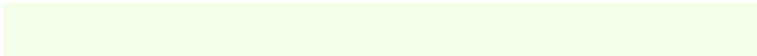
106.0611, 86.2308, 98.1385

Sweetspot

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



69.5816, 86.2346, 51.5070



87.0057, 96.2963, 88.4967



69.4505, 68.0783, 48.0094



18.3944, 20.5059, 18.3762



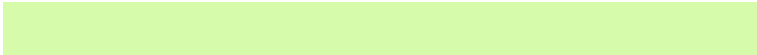
0.0000, 0.0000, 0.0000



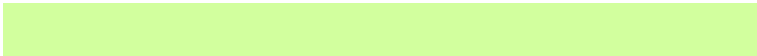
20.3446, 21.4041, 23.3091

Same Dimension

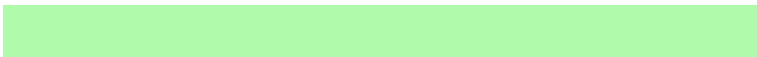
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5816, 86.2346, 51.5070



68.5695, 87.7200, 45.7106



59.5297, 81.0527, 51.0365



17.9085, 19.7686, 18.3342



23.5468, 39.0571, 6.2977



2.3032, 3.6804, 0.5890

Inverse Universe

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



57.9916, 49.5033, 97.7702



54.9010, 44.3933, 100.2829



70.3367, 55.8674, 98.3479



17.0461, 17.0364, 21.7752



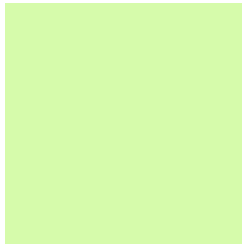
13.1097, 5.7010, 48.3830



1.3351, 0.5903, 4.4868

Previews

White Background



This preview shows how the XYZ color 69.5794, 86.2308, 51.5051 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 69.5794, 86.2308, 51.5051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

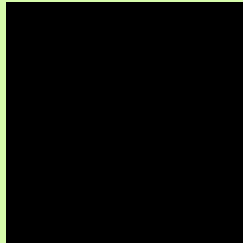
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

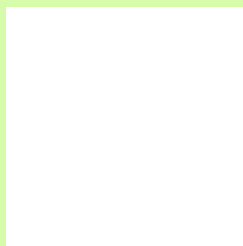
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5794, 86.2308, 51.5051

Background



This preview shows how black text looks on a background with the XYZ color 69.5794, 86.2308, 51.5051.

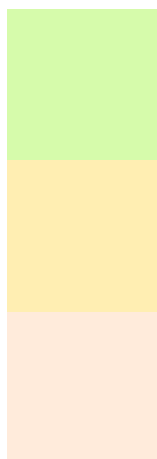


This preview shows how white text looks on a background with the XYZ color 69.5794, 86.2308,

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

69.5794, 86.2308, 51.5051

Protanopia

79.8504, 85.6234, 54.4379

Deuteranopia

83.7345, 85.7911, 79.1639



Tritanopia

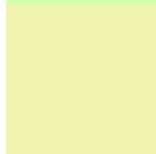
81.5232, 86.1982, 106.9489

Trichromacy



Original Color

69.5794, 86.2308, 51.5051



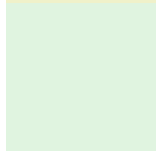
Protanomaly

75.7236, 85.7216, 53.1123



Deuteranomaly

78.0511, 85.7001, 68.3052



Tritanomaly

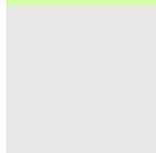
76.5457, 85.9305, 83.0729

Monochromacy



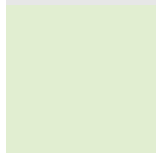
Original Color

69.5794, 86.2308, 51.5051



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1345, 81.7601, 72.2483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5794, 86.2308, 51.5051 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, 251, 171)` looks like.

```
.text, #text, p{  
    color:rgb(214, 251, 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, 251, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 251, 171) }
```

Border

The CSS property to change the border of an element to XYZ 69.5794, 86.2308, 51.5051 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, 251, 171) }
```


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

```
.border{ border-color:rgb(214, 251, 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, 251, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 251, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 251, 171);  
box-shadow:4px 4px 4px 4px rgb(214, 251,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5794, 86.2308, 51.5051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 251, 171) }
```

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

```
.background{ background-color: rgb(214,  
251, 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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