

Converting Colors

XYZ(69.2574, 85.2715, 51.9575)

Have a look what the booklet for
XYZ(69.2574, 85.2715, 51.9575)
contains.

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Color

**XYZ(69.0536, 85.0261,
51.8019)**

Conversions

Conversions Part 1

Format	Color
Hex	D6F9AC
RGB	214, 249, 172
RGB Percent	84%, 98%, 67%
CMY	0.1608, 0.0235, 0.3255
CMYK	0.14, 0.00, 0.31, 0.02
HSL	87°, 87%, 83%
HSV	87°, 31%, 98%
XYZ	69.0536, 85.0261, 51.8019
YIQ	229.7570, 3.8570, -31.3670

Conversions

Conversions Part 2

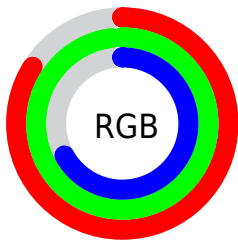
Format	Color
RYB	172, 249, 207
Decimal	14088620
CIELab	93.89, -24.19, 33.34
CIELCh	94, 41.194, 125.966
Yxy	85.0261, 0.3354, 0.4130
Android (android.graphics.Color)	4292278700 (0xFFD6F9AC)
YUV	229.7570, -28.4742, -13.8189
Hunter-Lab	92.2096, -27.6923, 31.2385

Details

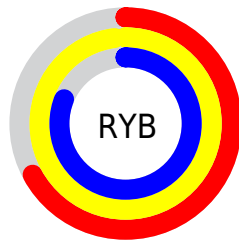
The XYZ color **69.0536, 85.0261, 51.8019** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.5871, 49.6124, 96.1683**, and the grayscale version is **75.2379, 79.1561, 86.2010**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **36.2800, 46.3003, 24.4775** is the 20% darker color. If you saturate the color by 10%, you get **63.6936, 82.5165, 40.2160**, and if you desaturate by 10%, it is **75.0956, 87.8408, 65.7621**.

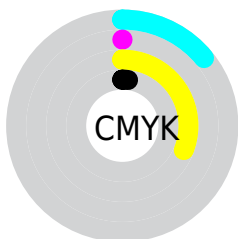
Distribution



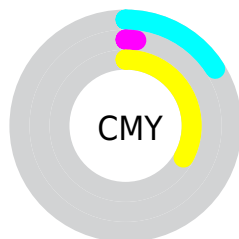
- Red (84%)
- Green (98%)
- Blue (67%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0536, 85.0261, 51.8019 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 69.0536, 85.0261, 51.8019 by changing the saturation by 10% instead.

69.0536, 85.0261,
51.8019

69.0536, 85.0261,
51.8019

446.5384,
511.7144, 410.6065

51.0322, 63.8629,
36.4660

116.8918,
140.4096, 94.2626

36.4554, 46.5397,
24.5018

147.4392,
175.3988, 122.2246

24.9578, 32.6719,
15.4906

182.8927,
215.7655, 155.2323

16.1742, 21.8752,
9.0140

223.6176,
261.8940, 193.7043

9.7391, 13.7652,
4.6534

269.9793,
314.1687, 238.0592

5.2873, 7.9576,
1.9902

322.3431,

2.4533, 4.0678,

372.9741, 288.7156

0.5492

381.0743,
438.6945, 346.0918

■ 0.8717, 1.7116,
0.0000

■ 0.0000, 0.4311,
0.0000

■ 69.0536, 85.0261,
51.8019

■ 69.0536, 85.0261,
51.8019

■ 63.6936, 82.5165,
40.2160

■ 75.0956, 87.8408,
65.7621

■ 58.9796, 80.2883,
30.8665

■ 81.8409, 90.9610,
82.2131

■ 54.8812, 78.3319,
23.6099

■ 89.3174, 94.4012,
101.2703

■ 51.3628, 76.6323,
18.2840

■ 93.1675, 96.2350,
108.2725

■ 48.3838, 75.1728,
14.7022

■ 45.8968, 73.9337,
12.6413

■ 43.9998, 72.9732,
11.7662

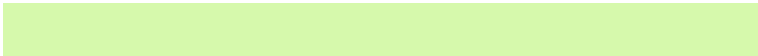
Harmonies

Analogous

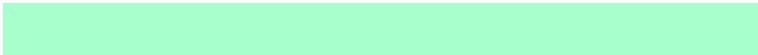
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6431, 85.0261, 44.5726



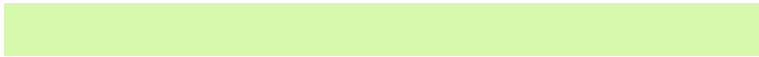
69.0536, 85.0261, 51.8019



63.0474, 85.0261, 70.0992

Triad

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



69.0536, 85.0261, 51.8019



72.5281, 85.0261, 159.4029



103.6509, 85.0261, 86.4437

Complementary

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



69.0536, 85.0261, 51.8019



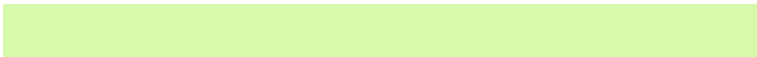
57.5871, 49.6124, 96.1683

Split Complementary

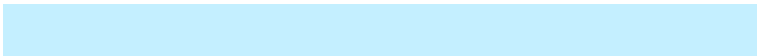
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.6410, 85.0261, 119.4141



69.0536, 85.0261, 51.8019



83.0260, 85.0261, 166.5581

Square

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



69.0536, 85.0261, 51.8019



64.9228, 85.0261, 132.7635



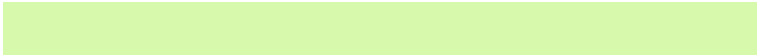
93.8408, 85.0261, 150.5560



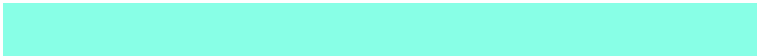
99.1090, 85.0261, 61.4509

Rectangle

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



69.0536, 85.0261, 51.8019



61.5545, 85.0261, 88.3955



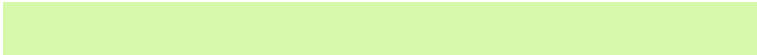
93.8408, 85.0261, 150.5560



103.7241, 85.0261, 96.8923

Sweetspot

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



69.0558, 85.0298, 51.8037



87.8379, 96.6837, 90.4134



68.7447, 67.5776, 48.4515



18.5642, 20.5851, 18.7583



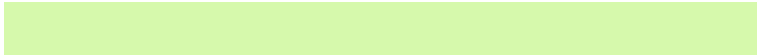
0.0000, 0.0000, 0.0000



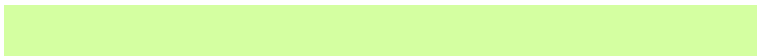
20.3446, 21.4041, 23.3091

Same Dimension

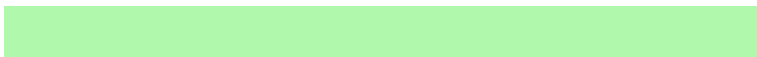
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.0558, 85.0298, 51.8037



69.3449, 88.0941, 46.9056



59.1953, 79.9466, 51.3423



17.9222, 19.7756, 18.3349



23.7172, 39.1449, 6.3057



2.3188, 3.6885, 0.5897

Inverse Universe

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



57.5871, 49.6124, 96.1683



55.5101, 45.3602, 100.4374



69.5633, 55.7864, 96.7288



17.0326, 17.0294, 21.7746



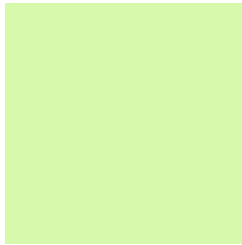
12.9705, 5.6292, 48.3765



1.3217, 0.5834, 4.4861

Previews

White Background



This preview shows how the XYZ color 69.0536, 85.0261, 51.8019 looks on a white background.

Color Contrast Check

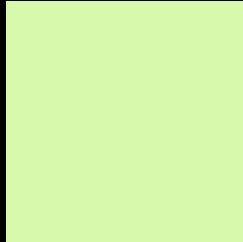
Large Text (above 18pt) WCAG AA × Fail

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 69.0536, 85.0261, 51.8019 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

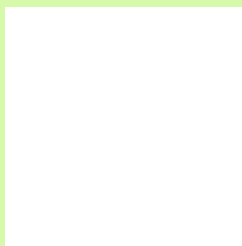
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.0536, 85.0261, 51.8019

Background



This preview shows how black text looks on a background with the XYZ color 69.0536, 85.0261, 51.8019.

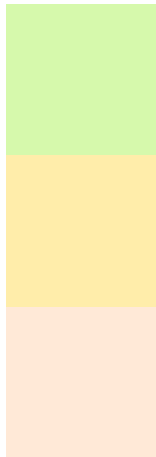


This preview shows how white text looks on a background with the XYZ color 69.0536, 85.0261,

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

69.0536, 85.0261, 51.8019

Protanopia

78.7799, 84.7307, 50.2327

Deuteranopia

82.6447, 84.4441, 76.2335



Tritanopia

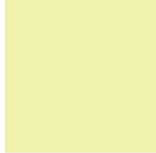
80.6194, 84.8631, 106.7388

Trichromacy



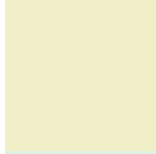
Original Color

69.0536, 85.0261, 51.8019



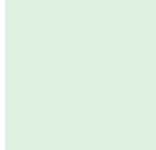
Protanomaly

74.7412, 84.3761, 50.8750



Deuteranomaly

77.1105, 84.3818, 66.2560



Tritanomaly

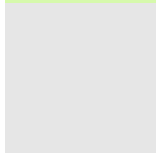
75.7742, 84.6285, 83.5754

Monochromacy



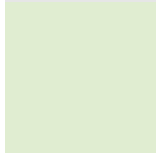
Original Color

69.0536, 85.0261, 51.8019



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 69.0536, 85.0261, 51.8019 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, 249, 172)` looks like.

```
.text, #text, p{  
    color:rgb(214, 249, 172)  
}
```

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, 249, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 249, 172) }
```

Border

The CSS property to change the border of an element to XYZ 69.0536, 85.0261, 51.8019 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, 249, 172) }
```


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

```
.border{ border-color:rgb(214, 249, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 249, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 249, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 249, 172); box-shadow:4px 4px 4px 4px rgb(214, 249, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0536, 85.0261, 51.8019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 249, 172) }
```

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

```
.background{ background-color: rgb(214,  
249, 172) }
```

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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