

Converting Colors

XYZ(69.7340, 84.0442, 50.0840)

Have a look what the booklet for
XYZ(69.7340, 84.0442, 50.0840)
contains.

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Color

**XYZ(69.6324, 83.9918,
50.0781)**

Conversions

Conversions Part 1

Format	Color
Hex	DCF6A9
RGB	220, 246, 169
RGB Percent	86%, 96%, 66%
CMY	0.1373, 0.0353, 0.3372
CMYK	0.11, 0.00, 0.31, 0.04
HSL	80°, 81%, 81%
HSV	80°, 31%, 96%
XYZ	69.6324, 83.9918, 50.0781
YIQ	229.4480, 9.2210, -29.4590

Conversions

Conversions Part 2

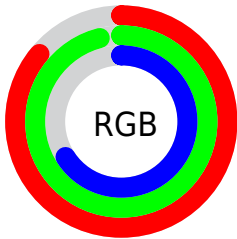
Format	Color
R _{YB}	169, 246, 195
Decimal	14481065
CIE _{Lab}	93.45, -21.01, 34.32
CIE _{LCh}	93, 40.242, 121.476
Y _{xy}	83.9918, 0.3418, 0.4123
Android (android.graphics.Color)	4292671145 (0xFFDCF6A9)
YUV	229.4480, -29.8009, -8.2859
Hunter-Lab	91.6470, -24.7600, 31.7555

Details

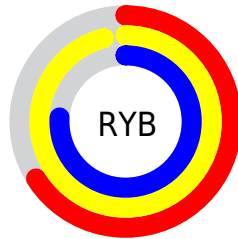
The XYZ color **69.6324, 83.9918, 50.0781** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.3316, 46.6342, 93.3840**, and the grayscale version is **75.0162, 78.9228, 85.9470**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **36.8757, 45.9804, 23.4545** is the 20% darker color. If you saturate the color by 10%, you get **65.0851, 81.8924, 38.9233**, and if you desaturate by 10%, it is **74.7435, 86.3368, 63.5307**.

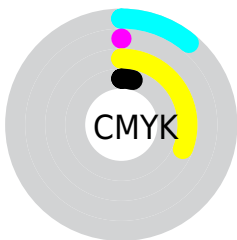
Distribution



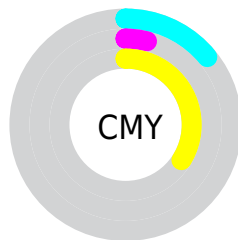
- Red (86%)
- Green (96%)
- Blue (66%)



- Red (66%)
- Yellow (96%)
- Blue (76%)



- Cyan (11%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (14%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.6324, 83.9918, 50.0781 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 69.6324, 83.9918, 50.0781 by changing the saturation by 10% instead.


 69.6324, 83.9918,
50.0781

 69.6324, 83.9918,
50.0781


448.5448,
508.2860, 403.7151

 51.5054, 63.0087,
35.1038


 117.7135,
138.9637, 91.6881

 36.8337, 45.8482,
23.4587


148.3984,
173.7213, 119.1609

 25.2518, 32.1261,
14.7241


183.9999,
213.8391, 151.6369

 16.3945, 21.4578,
8.4815

224.8834,
259.7016, 189.5348

 9.8964, 13.4591,
4.3124

271.4143,
311.6931, 233.2730

 5.3920, 7.7454,
1.7982

323.9579,

 2.5162, 3.9325,

370.1981, 283.2701

0.4268

382.8796,
435.6009, 339.9446

■ 0.9034, 1.6359,
0.0000

■ 0.0000, 0.3816,
0.0000

■ 69.6324, 83.9918,
50.0781

■ 69.6324, 83.9918,
50.0781

■ 65.0851, 81.8924,
38.9233

■ 74.7435, 86.3368,
63.5307

■ 61.0690, 80.0169,
29.9322

■ 80.4363, 88.9263,
79.3945

■ 57.5576, 78.3573,
22.9652

■ 86.7356, 91.7733,
97.7816

■ 54.5189, 76.9005,
17.8640

■ 91.6004, 94.0615,
107.9356

■ 51.9165, 75.6319,
14.4468

■ 92.2476, 94.3951,
107.9659

■ 49.7071, 74.5338,
12.4956

■ 48.0465, 73.6938,
11.6920

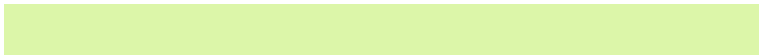
Harmonies

Analogous

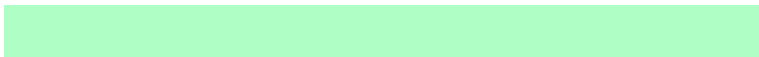
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3065, 83.9918, 44.5459



69.6324, 83.9918, 50.0781



63.1933, 83.9918, 66.2618

Triad

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



69.6324, 83.9918, 50.0781



70.4680, 83.9918, 153.0946



102.0459, 83.9918, 89.9537

Complementary

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



69.6324, 83.9918, 50.0781



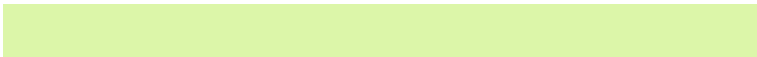
53.3316, 46.6342, 93.3840

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.



99.1607, 83.9918, 122.3343



69.6324, 83.9918, 50.0781



80.3592, 83.9918, 163.2986

Square

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



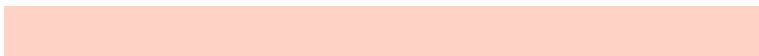
69.6324, 83.9918, 50.0781



63.6448, 83.9918, 125.5315



90.9812, 83.9918, 150.9792



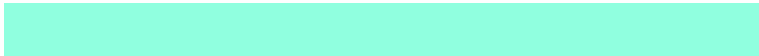
98.5538, 83.9918, 64.1779

Rectangle

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



69.6324, 83.9918, 50.0781



61.2840, 83.9918, 83.0518



90.9812, 83.9918, 150.9792



101.7883, 83.9918, 100.4020

Sweetspot

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



69.6345, 83.9955, 50.0799



88.7784, 97.1686, 90.4575



64.6111, 61.3411, 45.9719



18.7962, 20.7047, 18.7691



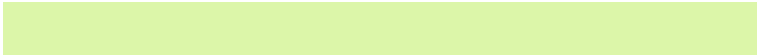
0.0000, 0.0000, 0.0000



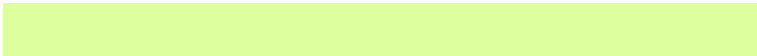
20.3446, 21.4041, 23.3091

Same Dimension

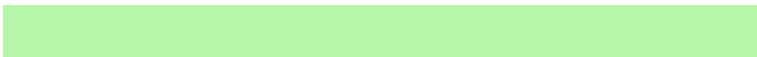
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6345, 83.9955, 50.0799



72.1487, 89.5651, 45.8781



59.3720, 78.7050, 49.5996



17.3394, 19.0170, 17.5543



25.7995, 39.4130, 6.2477



2.3768, 3.5203, 0.5542

Inverse Universe

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



53.3316, 46.6342, 93.3840



51.7358, 42.7615, 100.1348



64.4843, 52.3836, 93.9059



16.1086, 16.1986, 20.8202



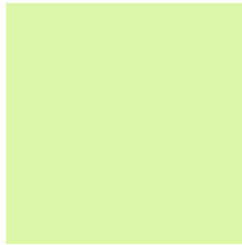
10.9203, 4.6039, 46.8511



1.0650, 0.4589, 4.1227

Previews

White Background



This preview shows how the XYZ color 69.6324, 83.9918, 50.0781 looks on a white background.

Color Contrast Check

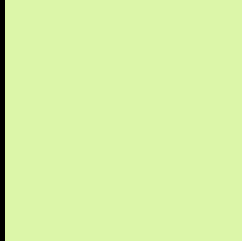
Large Text (above 18pt) WCAG AA × Fail

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 69.6324, 83.9918, 50.0781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

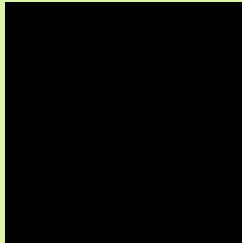
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

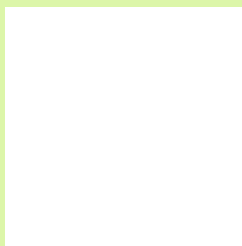
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6324, 83.9918, 50.0781

Background



This preview shows how black text looks on a background with the XYZ color 69.6324, 83.9918, 50.0781.

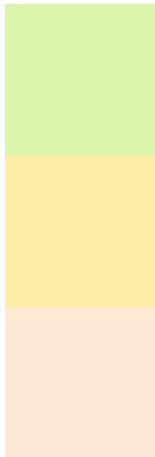


This preview shows how white text looks on a background with the XYZ color 69.6324, 83.9918,

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

69.6324, 83.9918, 50.0781

Protanopia

78.0270, 83.9675, 47.6922

Deuteranopia

81.9803, 83.7267, 74.1274



Tritanopia

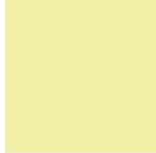
80.8764, 83.7282, 105.6644

Trichromacy



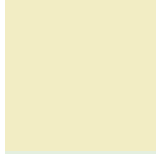
Original Color

69.6324, 83.9918, 50.0781



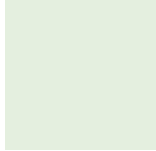
Protanomaly

74.6610, 83.9506, 48.3454



Deuteranomaly

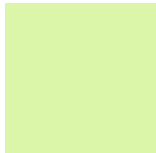
76.8659, 83.4311, 64.2771



Tritanomaly

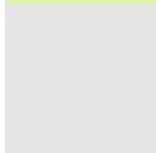
76.1807, 83.5547, 81.9246

Monochromacy



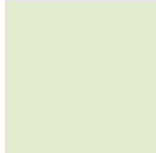
Original Color

69.6324, 83.9918, 50.0781



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.3348, 80.0904, 70.6780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6324, 83.9918, 50.0781 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(220, 246, 169)` looks like.

```
.text, #text, p{  
    color:rgb(220, 246, 169)  
}
```

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(220, 246, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 246, 169) }
```

Border

The CSS property to change the border of an element to XYZ 69.6324, 83.9918, 50.0781 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(220, 246, 169) }
```


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

```
.border{ border-color:rgb(220, 246, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 246, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 246, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 246, 169);  
box-shadow:4px 4px 4px 4px rgb(220, 246,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6324, 83.9918, 50.0781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 246, 169) }
```

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

```
.background{ background-color: rgb(220,  
246, 169) }
```

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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