

Converting Colors

XYZ(69.7862, 85.9594, 44.3692)

Have a look what the booklet for
XYZ(69.7862, 85.9594, 44.3692)
contains.

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Color

**XYZ(69.7016, 85.9872,
44.3760)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFA9C
RGB	220, 250, 156
RGB Percent	86%, 98%, 61%
CMY	0.1373, 0.0196, 0.3882
CMYK	0.12, 0.00, 0.38, 0.02
HSL	79°, 90%, 80%
HSV	79°, 38%, 98%
XYZ	69.7016, 85.9872, 44.3760
YIQ	230.3140, 12.2940, -35.5940

Conversions

Conversions Part 2

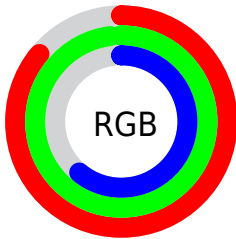
Format	Color
R _{YB}	156, 250, 186
Decimal	14482076
CIE Lab	94.31, -24.57, 41.90
CIE LCh	94, 48.573, 120.387
Yxy	85.9872, 0.3484, 0.4298
Android (android.graphics.Color)	4292672156 (0xFFDCFA9C)
YUV	230.3140, -36.6368, -9.0454
Hunter-Lab	92.7293, -28.1036, 36.5370

Details

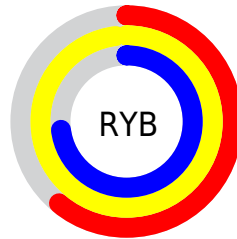
The XYZ color **69.7016, 85.9872, 44.3760** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.3969, 41.1205, 95.7809**, and the grayscale version is **75.7049, 79.6475, 86.7361**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **36.8280, 47.0117, 19.9651** is the 20% darker color. If you saturate the color by 10%, you get **65.4415, 84.0137, 34.2406**, and if you desaturate by 10%, it is **74.5170, 88.2020, 56.8151**.

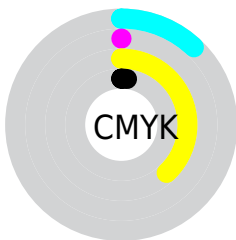
Distribution



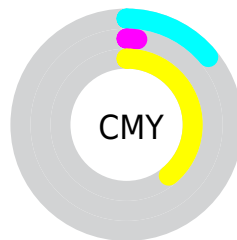
- Red (86%)
- Green (98%)
- Blue (61%)



- Red (61%)
- Yellow (98%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (38%)
- Black (2%)



- Cyan (14%)
- Magenta (2%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7016, 85.9872, 44.3760 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 69.7016, 85.9872, 44.3760 by changing the saturation by 10% instead.

69.7016, 85.9872,
44.3760

69.7016, 85.9872,
44.3760

448.7843,
514.8890, 380.3266

51.5620, 64.6574,
30.6269

117.8117,
141.7516, 83.0917

36.8789, 47.1833,
20.0588

148.5129,
176.9550, 108.8954

25.2870, 33.1806,
12.2533

184.1321,
217.5518, 139.5543

16.4209, 22.2648,
6.7918

225.0346,
263.9262, 175.4870

9.9152, 14.0516,
3.2558

271.5857,
316.4627, 217.1121

5.4046, 8.1566,
1.2267

324.1508,

2.5237, 4.1953,

375.5458, 264.8480

0.0005

383.0952,
441.5598, 319.1133

0.9072, 1.7834,
0.0000

0.0000, 0.4768,
0.0000

69.7016, 85.9872,
44.3760

69.7016, 85.9872,
44.3760

65.4415, 84.0137,
34.2406

74.5170, 88.2020,
56.8151

61.7019, 82.2586,
26.2615

79.9075, 90.6575,
71.6821

58.4532, 80.7128,
20.2831

85.8996, 93.3672,
89.0989

55.6600, 79.3620,
16.1262

92.3537, 96.2756,
108.3232

■ 53.2804, 78.1891,
13.5801

■ 93.4775, 96.8549,
108.3758

■ 51.2598, 77.1723,
12.3663

■ 50.8093, 76.9438,
12.1737

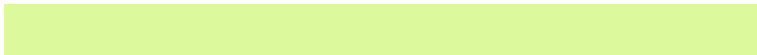
Harmonies

Analogous

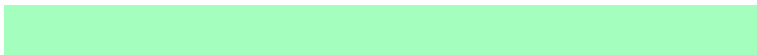
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5594, 85.9872, 38.6520



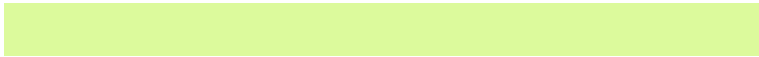
69.7016, 85.9872, 44.3760



61.8288, 85.9872, 62.4629

Triad

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



69.7016, 85.9872, 44.3760



69.9651, 85.9872, 170.8638



109.4218, 85.9872, 93.1424

Complementary

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



69.7016, 85.9872, 44.3760



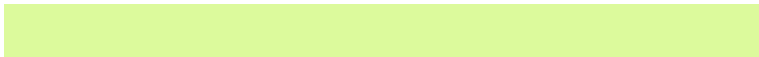
49.3969, 41.1205, 95.7809

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.



105.4959, 85.9872, 133.7355



69.7016, 85.9872, 44.3760



81.8973, 85.9872, 185.2400

Square

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



69.7016, 85.9872, 44.3760



61.9692, 85.9872, 134.8014



95.0644, 85.9872, 170.1421



105.2957, 85.9872, 61.8251

Rectangle

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



69.7016, 85.9872, 44.3760



59.4359, 85.9872, 82.1492



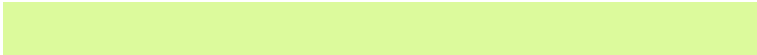
95.0644, 85.9872, 170.1421



108.9957, 85.9872, 106.1237

Sweetspot

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



69.7037, 85.9910, 44.3778



87.6406, 96.6645, 86.6758



62.9380, 57.7466, 39.2827



18.5749, 20.6071, 18.0159



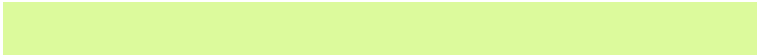
0.0000, 0.0000, 0.0000



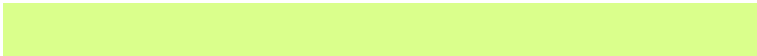
20.3446, 21.4041, 23.3091

Same Dimension

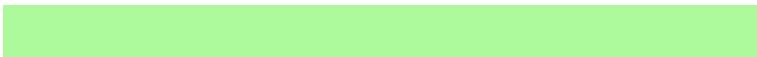
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7037, 85.9910, 44.3778



69.5369, 88.3837, 38.3025



57.4744, 79.6865, 43.8055



18.1571, 19.8968, 18.3459



27.1057, 40.8918, 6.4643



2.6206, 3.8441, 0.6039

Inverse Universe

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



49.3969, 41.1205, 95.7809



45.5683, 35.3821, 99.0355



62.6751, 47.9656, 96.4023



16.8045, 16.9119, 21.7639



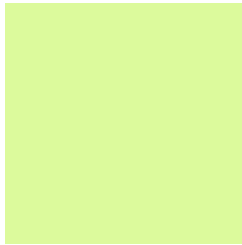
11.0303, 4.6290, 48.2857



1.1268, 0.4830, 4.4770

Previews

White Background



This preview shows how the XYZ color 69.7016, 85.9872, 44.3760 looks on a white background.

Color Contrast Check

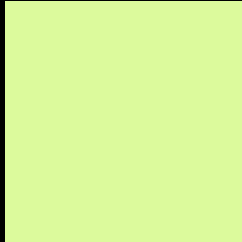
Large Text (above 18pt) WCAG AA × Fail

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 69.7016, 85.9872, 44.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

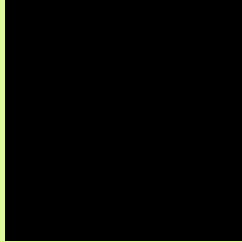
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

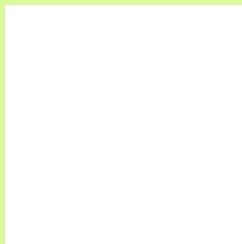
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7016, 85.9872, 44.3760

Background



This preview shows how black text looks on a background with the XYZ color 69.7016, 85.9872, 44.3760.

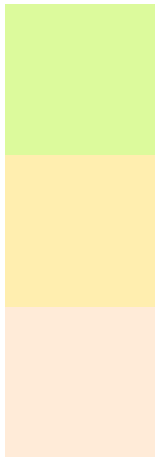


This preview shows how white text looks on a background with the XYZ color 69.7016, 85.9872,

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

69.7016, 85.9872, 44.3760

Protanopia

79.5524, 85.5042, 52.8685

Deuteranopia

83.3430, 85.6345, 77.1022



Tritanopia

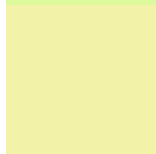
82.5562, 85.8615, 106.8295

Trichromacy



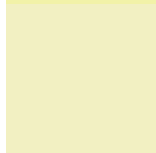
Original Color

69.7016, 85.9872, 44.3760



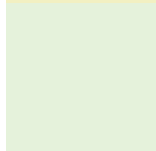
Protanomaly

75.4380, 85.2087, 49.5167



Deuteranomaly

77.5156, 85.0925, 63.3779



Tritanomaly

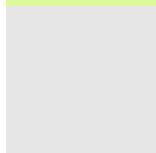
76.8514, 85.2767, 79.4274

Monochromacy



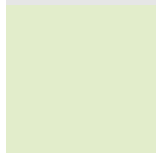
Original Color

69.7016, 85.9872, 44.3760



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.4277, 81.0489, 68.3266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7016, 85.9872, 44.3760 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, 250, 156)` looks like.

```
.text, #text, p{  
    color:rgb(220, 250, 156)  
}
```

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, 250, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 250, 156) }
```

Border

The CSS property to change the border of an element to XYZ 69.7016, 85.9872, 44.3760 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, 250, 156) }
```


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

```
.border{ border-color:rgb(220, 250, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 250, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 250, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 250, 156);  
box-shadow:4px 4px 4px 4px rgb(220, 250,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7016, 85.9872, 44.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 250, 156) }
```

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

```
.background{ background-color: rgb(220,  
250, 156) }
```

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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