

Converting Colors

XYZ(69.6242, 88.4287, 38.3078)

Have a look what the booklet for
XYZ(69.6242, 88.4287, 38.3078)
contains.

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Color

**XYZ(69.7070, 88.4735,
38.2141)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFF8C
RGB	219, 255, 140
RGB Percent	86%, 100%, 55%
CMY	0.1412, 0.0000, 0.4510
CMYK	0.14, 0.00, 0.45, 0.00
HSL	79°, 100%, 77%
HSV	79°, 45%, 100%
XYZ	69.7070, 88.4735, 38.2141
YIQ	231.1260, 15.4590, -43.3970

Conversions

Conversions Part 2

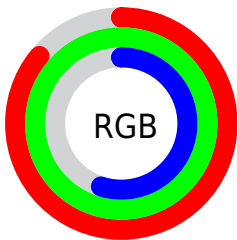
Format	Color
RYB	140, 255, 176
Decimal	14417804
CIELab	95.36, -29.10, 50.92
CIElCh	95, 58.651, 119.743
Yxy	88.4735, 0.3549, 0.4505
Android (android.graphics.Color)	4292607884 (0xFFDBFF8C)
YUV	231.1260, -44.9251, -10.6345
Hunter-Lab	94.0604, -32.3214, 41.7544

Details

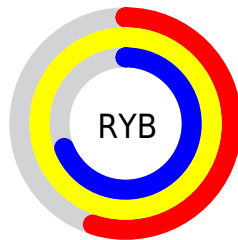
The XYZ color **69.7070, 88.4735, 38.2141** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.3338, 35.2076, 99.0141**, and the grayscale version is **76.3648, 80.3417, 87.4921**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **36.8147, 48.7577, 16.4877** is the 20% darker color. If you saturate the color by 10%, you get **65.6948, 86.5978, 29.3227**, and if you desaturate by 10%, it is **74.2705, 90.5831, 49.4077**.

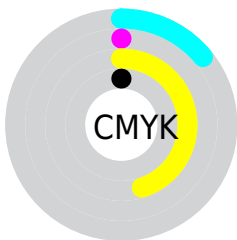
Distribution



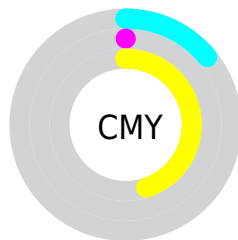
- Red (86%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (69%)



- Cyan (14%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7070, 88.4735, 38.2141 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 69.7070, 88.4735, 38.2141 by changing the saturation by 10% instead.

 69.7070, 88.4735,
38.2141


 69.7070, 88.4735,
38.2141


448.8030,
523.0526, 353.8632

 51.5664, 66.7153,
25.8458


 117.8194,
145.2162, 73.6432

 36.8825, 48.8533,
16.4836


 148.5219,
180.9694, 97.5411

 25.2898, 34.5031,
9.7089

184.1424,
222.1565, 126.1193

 16.4230, 23.2804,
5.1033

225.0464,
269.1618, 159.7963

 9.9167, 14.8007,
2.2482

271.5990,
322.3696, 198.9906

 5.4056, 8.6796,
0.7020

324.1658,

 2.5243, 4.5328,

382.1644, 244.1209

0.0000

383.1120,
448.9306, 295.6055

■ 0.9075, 1.9758,
0.0000

■ 0.0000, 0.5934,
0.0000

■ 69.7070, 88.4735,
38.2141

■ 69.7070, 88.4735,
38.2141

■ 65.6948, 86.5978,
29.3227

■ 74.2705, 90.5831,
49.4077

■ 62.2012, 84.9426,
22.5691

■ 79.4139, 92.9380,
63.0454

■ 59.1903, 83.4935,
17.7729

■ 85.1642, 95.5495,
79.2616

■ 56.6202, 82.2334,
14.7224

■ 91.5464, 98.4275,
98.1803

■ 54.4397, 81.1417, 95.0500, 100.0000,
13.1568 108.9000

■ 53.4777, 80.6538,
12.7492

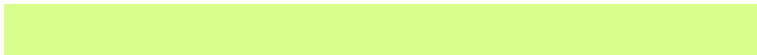
Harmonies

Analogous

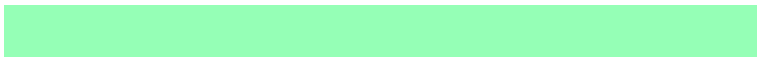
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2299, 88.4735, 32.2732



69.7070, 88.4735, 38.2141



60.1767, 88.4735, 58.3448

Triad

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



69.7070, 88.4735, 38.2141



69.4957, 88.4735, 194.4783



118.8364, 88.4735, 96.7294

Complementary

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



69.7070, 88.4735, 38.2141



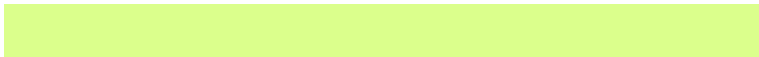
45.3338, 35.2076, 99.0141

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.



113.6266, 88.4735, 148.0146



69.7070, 88.4735, 38.2141



83.9531, 88.4735, 214.3266

Square

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



69.7070, 88.4735, 38.2141



60.0660, 88.4735, 147.1025



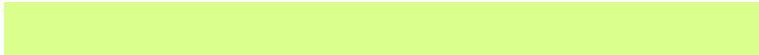
100.3299, 88.4735, 195.1120



113.7958, 88.4735, 58.8375

Rectangle

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



69.7070, 88.4735, 38.2141



57.2596, 88.4735, 81.4521



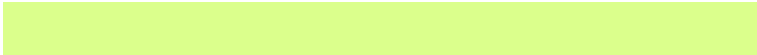
100.3299, 88.4735, 195.1120



118.2175, 88.4735, 112.9233

Sweetspot

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



69.7072, 88.4736, 38.2153



85.8329, 95.8519, 81.2025



61.2071, 53.6201, 31.9359



18.0917, 20.3895, 16.5700



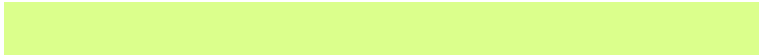
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

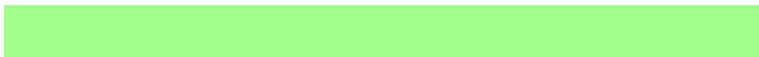
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.7072, 88.4736, 38.2153



66.1090, 86.7925, 30.1906



55.5987, 81.2003, 37.5551



18.9756, 20.7888, 19.1569



28.1042, 42.2263, 6.6693



2.8492, 4.1696, 0.6546

Inverse Universe

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



45.3338, 35.2076, 99.0141



39.0251, 27.5283, 97.8644



60.7075, 43.1330, 99.7336



17.5380, 17.6536, 22.7331



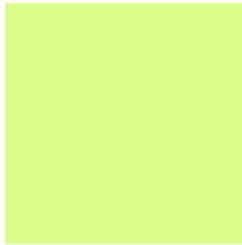
11.2872, 4.7293, 49.7525



1.2059, 0.5156, 4.8492

Previews

White Background



This preview shows how the XYZ color 69.7070, 88.4735, 38.2141 looks on a white background.

Color Contrast Check

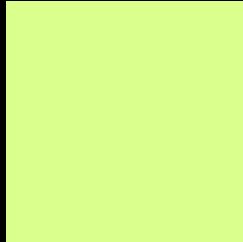
Large Text (above 18pt) WCAG AA × Fail

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 69.7070, 88.4735, 38.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

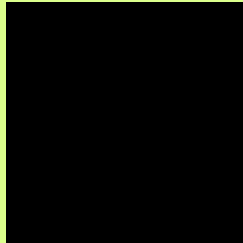
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

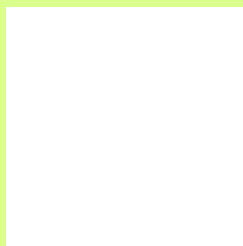
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.7070, 88.4735, 38.2141

Background



This preview shows how black text looks on a background with the XYZ color 69.7070, 88.4735, 38.2141.

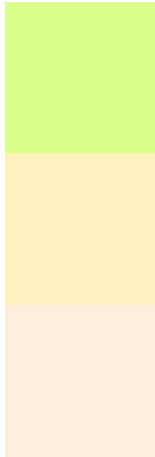


This preview shows how white text looks on a background with the XYZ color 69.7070, 88.4735,

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

69.7070, 88.4735, 38.2141

Protanopia

81.9896, 87.8883, 61.3580

Deuteranopia

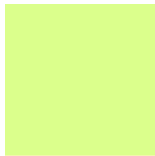
84.9994, 87.6830, 81.5518



Tritanopia

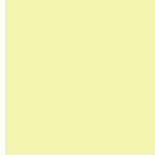
84.0974, 87.9635, 107.1540

Trichromacy



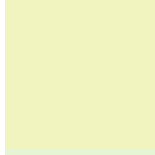
Original Color

69.7070, 88.4735, 38.2141



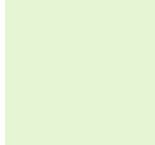
Protanomaly

77.0201, 87.7673, 51.9111



Deuteranomaly

78.4831, 87.3844, 62.5995



Tritanomaly

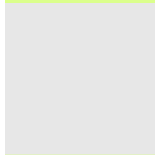
77.5991, 87.5386, 75.7575

Monochromacy



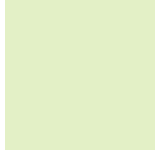
Original Color

69.7070, 88.4735, 38.2141



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.0317, 82.7283, 65.5451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7070, 88.4735, 38.2141 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(219, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 140)  
}
```

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(219, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 69.7070, 88.4735, 38.2141 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(219, 255, 140) }
```


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

```
.border{ border-color:rgb(219, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7070, 88.4735, 38.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 140) }
```

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

```
.background{ background-color: rgb(219,  
255, 140) }
```

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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