

Converting Colors

XYZ(76.4055, 100.0000,
40.1174)

Have a look what the booklet for
XYZ(76.4055, 100.0000, 40.1174)
contains.

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Color

**XYZ(70.9250, 89.1014,
38.2711)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF8C
RGB	223, 255, 140
RGB Percent	87%, 100%, 55%
CMY	0.1255, 0.0000, 0.4510
CMYK	0.13, 0.00, 0.45, 0.00
HSL	77°, 100%, 77%
HSV	77°, 45%, 100%
XYZ	70.9250, 89.1014, 38.2711
YIQ	232.3220, 17.8430, -42.5490

Conversions

Conversions Part 2

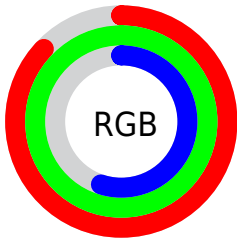
Format	Color
RYB	140, 255, 172
Decimal	14679948
CIELab	95.62, -27.62, 51.31
CIELCh	96, 58.269, 118.294
Yxy	89.1014, 0.3577, 0.4493
Android (android.graphics.Color)	4292870028 (0xFFDFFF8C)
YUV	232.3220, -45.5147, -8.1754
Hunter-Lab	94.3935, -31.0681, 42.0368

Details

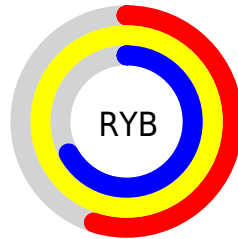
The XYZ color **70.9250, 89.1014, 38.2711** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.4426, 34.7482, 98.9724**, and the grayscale version is **77.2634, 81.2871, 88.5217**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **37.6403, 49.1833, 16.5263** is the 20% darker color. If you saturate the color by 10%, you get **67.1165, 87.3307, 29.3893**, and if you desaturate by 10%, it is **75.2613, 91.0938, 49.4541**.

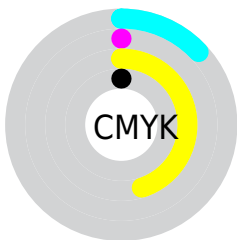
Distribution



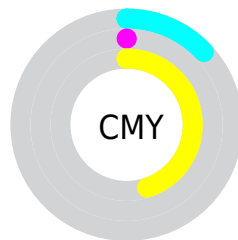
- Red (87%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9250, 89.1014, 38.2711 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 70.9250, 89.1014, 38.2711 by changing the saturation by 10% instead.


 70.9250, 89.1014,
38.2711

 70.9250, 89.1014,
38.2711


453.0071,
525.1034, 354.1145

 52.5633, 67.2356,
25.8897


 119.5460,
146.0896, 73.7315

 37.6804, 49.2761,
16.5161


 150.5361,
181.9807, 97.6476

 25.9108, 34.8386,
9.7318

186.4663,
223.3158, 126.2456

 16.8892, 23.5385,
5.1182

227.7020,
270.4791, 159.9442

 10.2504, 14.9917,
2.2568

274.6086,
323.8552, 199.1618

 5.6288, 8.8135,
0.7069

327.5514,

 2.6592, 4.6198,

383.8283, 244.3171

0.0000

386.8958,
450.7829, 295.8284

0.9762, 2.0259,
0.0000

0.0000, 0.6225,
0.0000

70.9250, 89.1014,
38.2711

70.9250, 89.1014,
38.2711

67.1165, 87.3307,
29.3893

75.2613, 91.0938,
49.4541

63.8035, 85.7686,
22.6441

80.1534, 93.3193,
63.0800

60.9506, 84.4010,
17.8553

85.6279, 95.7885,
79.2833

58.5165, 83.2110,
14.8112

91.7094, 98.5115,
98.1880

■ 56.4505, 82.1783, 95.0500, 100.0000,
13.2509 108.9000

■ 55.5370, 81.7154,
12.8455

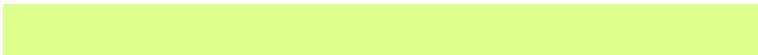
Harmonies

Analogous

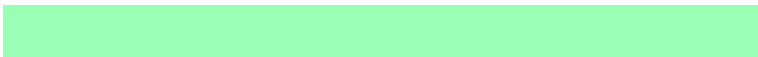
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6077, 89.1014, 32.9021



70.9250, 89.1014, 38.2711



61.1156, 89.1014, 57.6818

Triad

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



70.9250, 89.1014, 38.2711



69.5244, 89.1014, 192.9543



119.3172, 89.1014, 99.6638

Complementary

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



70.9250, 89.1014, 38.2711



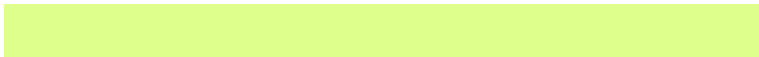
44.4426, 34.7482, 98.9724

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.



113.6550, 89.1014, 151.0900



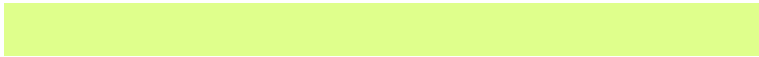
70.9250, 89.1014, 38.2711



83.7753, 89.1014, 214.4439

Square

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



70.9250, 89.1014, 38.2711



60.3815, 89.1014, 145.0659



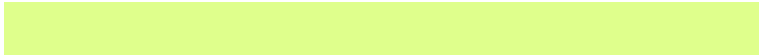
100.1258, 89.1014, 197.1337



114.7734, 89.1014, 60.9552

Rectangle

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



70.9250, 89.1014, 38.2711



57.9907, 89.1014, 80.2129



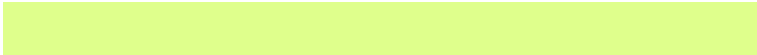
100.1258, 89.1014, 197.1337



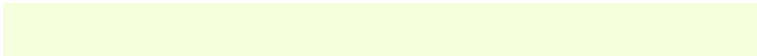
118.5318, 89.1014, 116.0163

Sweetspot

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



70.9252, 89.1015, 38.2723



86.2649, 96.0746, 81.2227



60.4743, 52.1545, 31.6917



18.1975, 20.4441, 16.5750



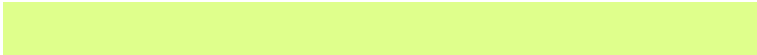
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

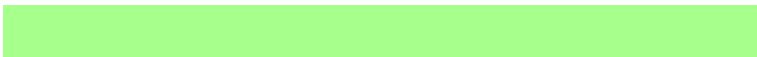
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9252, 89.1015, 38.2723



67.5094, 87.5145, 30.2561



56.3955, 81.6112, 37.5924



19.0395, 20.8218, 19.1599



29.1717, 42.7766, 6.7192



2.9465, 4.2197, 0.6592

Inverse Universe

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



44.4426, 34.7482, 98.9724



38.0828, 27.0425, 97.8203



59.4766, 42.4985, 99.6760



17.4774, 17.6223, 22.7302



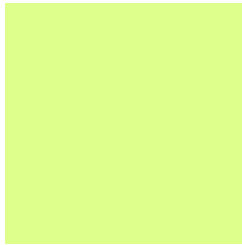
10.9113, 4.5354, 49.7349



1.1629, 0.4934, 4.8472

Previews

White Background



This preview shows how the XYZ color 70.9250, 89.1014, 38.2711 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 70.9250, 89.1014, 38.2711 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

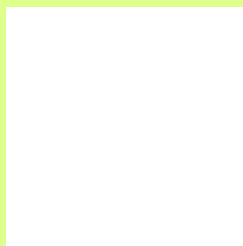
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9250, 89.1014, 38.2711

Background



This preview shows how black text looks on a background with the XYZ color 70.9250, 89.1014, 38.2711.

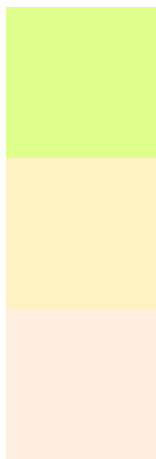


This preview shows how white text looks on a background with the XYZ color 70.9250, 89.1014,

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

70.9250, 89.1014, 38.2711

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

85.5610, 88.3748, 83.0695



Tritanopia

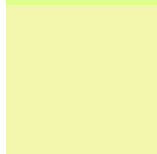
85.1019, 88.4813, 107.2010

Trichromacy



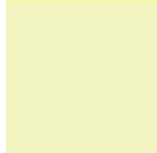
Original Color

70.9250, 89.1014, 38.2711



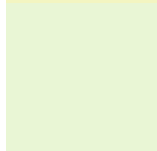
Protanomaly

77.8629, 88.6322, 53.0483



Deuteranomaly

79.2402, 88.2098, 63.3019



Tritanomaly

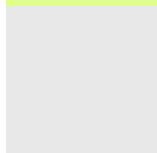
78.5703, 88.0393, 75.8030

Monochromacy



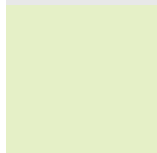
Original Color

70.9250, 89.1014, 38.2711



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.7820, 83.1017, 66.1843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9250, 89.1014, 38.2711 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(223, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 70.9250, 89.1014, 38.2711 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(223, 255, 140) }
```


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

```
.border{ border-color:rgb(223, 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(223, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9250, 89.1014, 38.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 140) }
```

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

```
.background{ background-color: rgb(223,  
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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