

Converting Colors

XYZ(70.9991, 89.1311, 38.6613)

Have a look what the booklet for
XYZ(70.9991, 89.1311, 38.6613)
contains.

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Color

**XYZ(70.9991, 89.1311,
38.6613)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF8D
RGB	223, 255, 141
RGB Percent	87%, 100%, 55%
CMY	0.1255, 0.0000, 0.4470
CMYK	0.13, 0.00, 0.45, 0.00
HSL	77°, 100%, 78%
HSV	77°, 45%, 100%
XYZ	70.9991, 89.1311, 38.6613
YIQ	232.4360, 17.5220, -42.2380

Conversions

Conversions Part 2

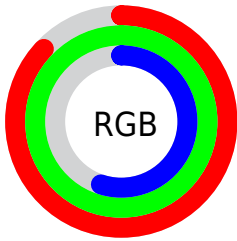
Format	Color
RYB	141, 255, 173
Decimal	14679949
CIELab	95.64, -27.51, 50.85
CIELCh	96, 57.818, 118.417
Yxy	89.1311, 0.3572, 0.4484
Android (android.graphics.Color)	4292870029 (0xFFDFFF8D)
YUV	232.4360, -45.0779, -8.2754
Hunter-Lab	94.4093, -30.9779, 41.8068

Details

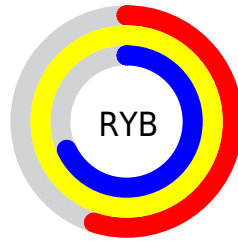
The XYZ color **70.9991, 89.1311, 38.6613** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.8097, 35.1553, 99.0317**, and the grayscale version is **77.3461, 81.3741, 88.6164**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **37.6814, 49.1997, 16.7430** is the 20% darker color. If you saturate the color by 10%, you get **67.1557, 87.3442, 29.6915**, and if you desaturate by 10%, it is **75.3730, 91.1408, 49.9383**.

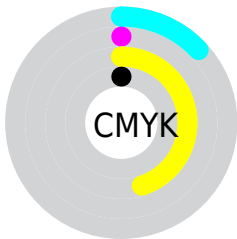
Distribution



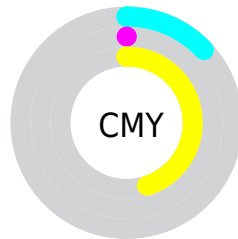
- Red (87%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (68%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9991, 89.1311, 38.6613 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 70.9991, 89.1311, 38.6613 by changing the saturation by 10% instead.


 70.9991, 89.1311,
38.6613

 70.9991, 89.1311,
38.6613


453.2622,
525.2003, 355.8312

 52.6240, 67.2602,
26.1905


 119.6510,
146.1309, 74.3352

 37.7290, 49.2961,
16.7392


 150.6584,
182.0285, 98.3755

 25.9487, 34.8544,
9.8887


186.6074,
223.3706, 127.1094

 16.9177, 23.5508,
5.2206

227.8632,
270.5414, 160.9553

 10.2708, 15.0007,
2.3163

274.7913,
323.9254, 200.3319

 5.6425, 8.8199,
0.7403

327.7569,

 2.6675, 4.6239,

383.9069, 245.6578

0.0000

387.1254,
450.8704, 297.3513

0.9805, 2.0283,
0.0000

0.0000, 0.6238,
0.0000

70.9991, 89.1311,
38.6613

70.9991, 89.1311,
38.6613

67.1557, 87.3442,
29.6915

75.3730, 91.1408,
49.9383

63.8106, 85.7674,
22.8652

80.3055, 93.3849,
63.6636

60.9286, 84.3863,
18.0028

85.8230, 95.8740,
79.9715

58.4687, 83.1845,
14.8943

91.9500, 98.6181,
98.9855

■ 56.3806, 82.1415, 95.0500, 100.0000,
13.2813 108.9000

■ 55.3881, 81.6387,
12.8386

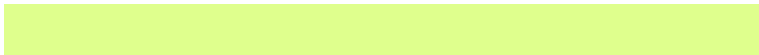
Harmonies

Analogous

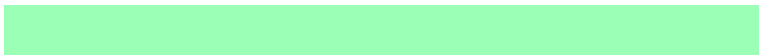
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5628, 89.1311, 33.2483



70.9991, 89.1311, 38.6613



61.2739, 89.1311, 58.0726

Triad

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



70.9991, 89.1311, 38.6613



69.7083, 89.1311, 192.2439



119.0557, 89.1311, 99.4845

Complementary

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



70.9991, 89.1311, 38.6613



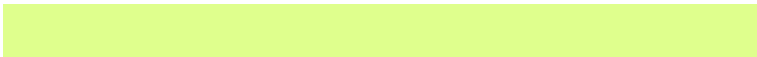
44.8097, 35.1553, 99.0317

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.



113.4846, 89.1311, 150.4369



70.9991, 89.1311, 38.6613



83.8757, 89.1311, 213.3517

Square

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



70.9991, 89.1311, 38.6613



60.5967, 89.1311, 144.9017



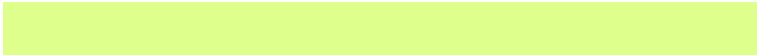
100.0957, 89.1311, 196.0795



114.5128, 89.1311, 61.0948

Rectangle

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



70.9991, 89.1311, 38.6613



58.1839, 89.1311, 80.5263



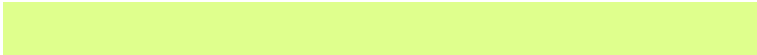
100.0957, 89.1311, 196.0795



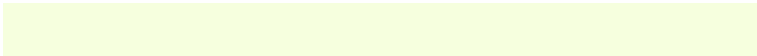
118.2917, 89.1311, 115.6892

Sweetspot

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



70.9993, 89.1311, 38.6625



86.8236, 96.3235, 83.0181



60.6870, 52.4613, 32.1281



18.3072, 20.4929, 16.9282



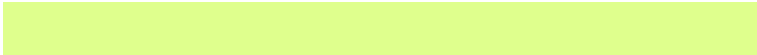
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

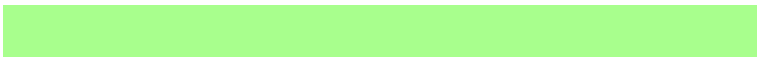
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9993, 89.1311, 38.6625



67.4098, 87.4631, 30.2514



56.6319, 81.7244, 37.9902



19.0350, 20.8195, 19.1596



29.0946, 42.7369, 6.7156



2.9395, 4.2161, 0.6589

Inverse Universe

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



44.8097, 35.1553, 99.0317



38.1477, 27.0759, 97.8233



59.6976, 42.8303, 99.7284



17.4817, 17.6245, 22.7304



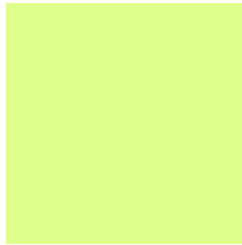
10.9360, 4.5482, 49.7361



1.1658, 0.4949, 4.8474

Previews

White Background



This preview shows how the XYZ color 70.9991, 89.1311, 38.6613 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 70.9991, 89.1311, 38.6613 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

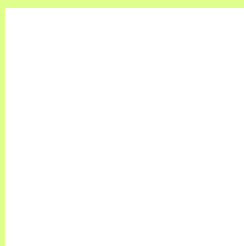
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9991, 89.1311, 38.6613

Background



This preview shows how black text looks on a background with the XYZ color 70.9991, 89.1311, 38.6613.

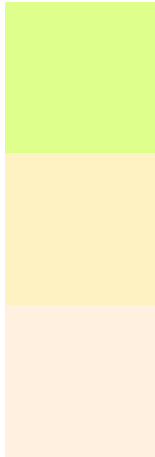


This preview shows how white text looks on a background with the XYZ color 70.9991, 89.1311,

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

70.9991, 89.1311, 38.6613

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

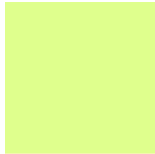
85.8546, 88.9620, 83.1674



Tritanopia

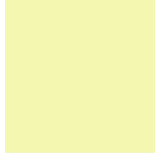
85.1019, 88.4813, 107.2010

Trichromacy



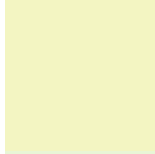
Original Color

70.9991, 89.1311, 38.6613



Protanomaly

77.9608, 88.6714, 53.5638



Deuteranomaly

79.3522, 88.2545, 63.8915



Tritanomaly

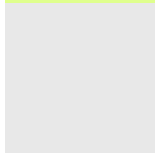
78.6976, 88.0902, 76.4736

Monochromacy



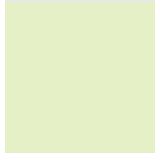
Original Color

70.9991, 89.1311, 38.6613



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 70.9991, 89.1311, 38.6613 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 141) }
```

Border

The CSS property to change the border of an element to XYZ 70.9991, 89.1311, 38.6613 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, 141) }
```


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

```
.border{ border-color:rgb(223, 255, 141) }
```

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, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9991, 89.1311, 38.6613 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, 141) }
```

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

```
.background{ background-color: rgb(223,  
255, 141) }
```

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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