

Converting Colors

XYZ(70.9683, 89.1322, 37.8903)

Have a look what the booklet for
XYZ(70.9683, 89.1322, 37.8903)
contains.

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Color

**XYZ(70.8516, 89.0721,
37.8844)**

Conversions

Conversions Part 1

Format	Color
Hex	DFFF8B
RGB	223, 255, 139
RGB Percent	87%, 100%, 55%
CMY	0.1255, 0.0000, 0.4549
CMYK	0.13, 0.00, 0.45, 0.00
HSL	77°, 100%, 77%
HSV	77°, 45%, 100%
XYZ	70.8516, 89.0721, 37.8844
YIQ	232.2080, 18.1640, -42.8600

Conversions

Conversions Part 2

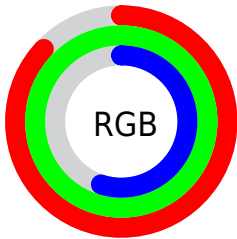
Format	Color
RYB	139, 255, 171
Decimal	14679947
CIELab	95.61, -27.72, 51.76
CIElCh	96, 58.720, 118.172
Yxy	89.0721, 0.3582, 0.4503
Android (android.graphics.Color)	4292870027 (0xFFDFFF8B)
YUV	232.2080, -45.9515, -8.0754
Hunter-Lab	94.3780, -31.1578, 42.2649

Details

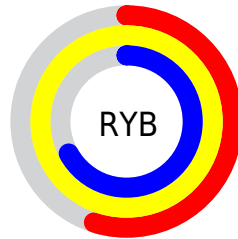
The XYZ color **70.8516, 89.0721, 37.8844** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.0784, 34.3444, 98.9137**, and the grayscale version is **77.1808, 81.2002, 88.4270**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **37.5997, 49.1670, 16.3126** is the 20% darker color. If you saturate the color by 10%, you get **67.0776, 87.3172, 29.0902**, and if you desaturate by 10%, it is **75.1506, 91.0473, 48.9737**.

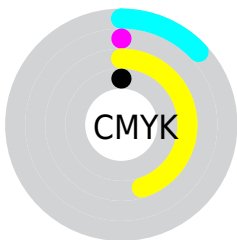
Distribution



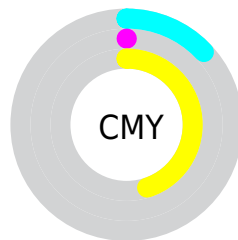
- Red (87%)
- Green (100%)
- Blue (55%)



- 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 70.8516, 89.0721, 37.8844 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 70.8516, 89.0721, 37.8844 by changing the saturation by 10% instead.


 70.8516, 89.0721,
37.8844

 70.8516, 89.0721,
37.8844


452.7544,
525.0078, 352.4071


 52.5032, 67.2113,
25.5918


 119.4421,
146.0488, 73.1324

 37.6322, 49.2564,
16.2955


 150.4148,
181.9335, 96.9249

 25.8733, 34.8229,
9.5769


 186.3264,
223.2617, 125.3878

 16.8610, 23.5265,
5.0174

227.5422,
270.4177, 158.9396

 10.2302, 14.9827,
2.1986

274.4276,
323.7859, 197.9989

 5.6153, 8.8073,
0.6735

327.3478,

 2.6510, 4.6157,

383.7507, 242.9843

0.0000

386.6683,
450.6966, 294.3141

■ 0.9720, 2.0236,
0.0000

■ 0.0000, 0.6211,
0.0000

■ 70.8516, 89.0721,
37.8844

■ 70.8516, 89.0721,
37.8844

■ 67.0776, 87.3172,
29.0902

■ 75.1506, 91.0473,
48.9737

■ 63.7964, 85.7698,
22.4260

■ 80.0028, 93.2543,
62.5003

■ 60.9723, 84.4154,
17.7104

■ 85.4348, 95.7039,
78.5992

■ 58.5637, 83.2372,
14.7303

■ 91.4713, 98.4060,
97.3947

■ 56.5196, 82.2147, 95.0500, 100.0000,
13.2222 108.9000

■ 55.6839, 81.7912,
12.8524

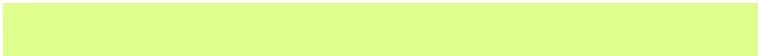
Harmonies

Analogous

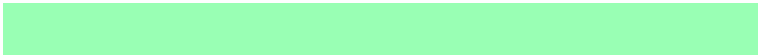
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6531, 89.0721, 32.5592



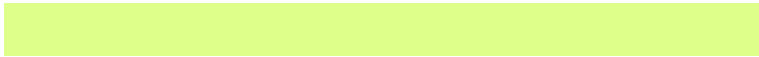
70.8516, 89.0721, 37.8844



60.9583, 89.0721, 57.2934

Triad

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



70.8516, 89.0721, 37.8844



69.3414, 89.0721, 193.6648



119.5788, 89.0721, 99.8441

Complementary

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



70.8516, 89.0721, 37.8844



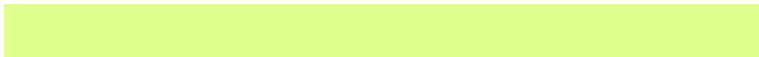
44.0784, 34.3444, 98.9137

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.



113.8254, 89.0721, 151.7449



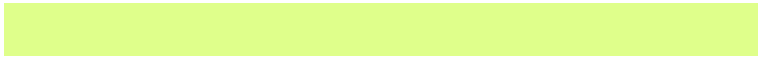
70.8516, 89.0721, 37.8844



83.6753, 89.0721, 215.5380

Square

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



70.8516, 89.0721, 37.8844



60.1674, 89.0721, 145.2294



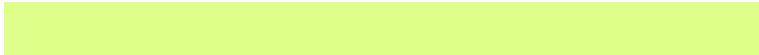
100.1560, 89.0721, 198.1905



115.0343, 89.0721, 60.8168

Rectangle

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



70.8516, 89.0721, 37.8844



57.7986, 89.0721, 79.9007



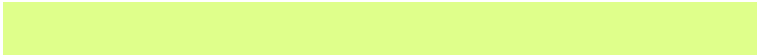
100.1560, 89.0721, 198.1905



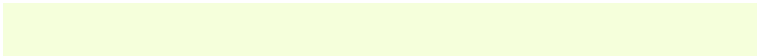
118.7719, 89.0721, 116.3446

Sweetspot

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



70.8518, 89.0721, 37.8856



86.2948, 96.0900, 81.2241



60.2631, 51.8495, 31.2590



18.2048, 20.4478, 16.5753



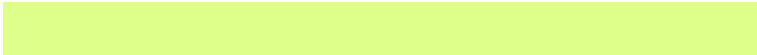
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

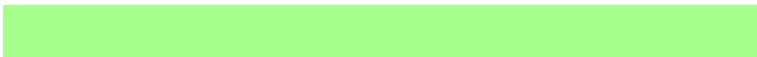
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8518, 89.0721, 37.8856



67.2505, 87.3981, 29.4694



56.1608, 81.4986, 37.1981



19.0439, 20.8241, 19.1601



29.2478, 42.8159, 6.7228



2.9534, 4.2233, 0.6595

Inverse Universe

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



44.0784, 34.3444, 98.9137



37.3725, 26.2398, 97.7028



59.2571, 42.1693, 99.6240



17.4733, 17.6202, 22.7300



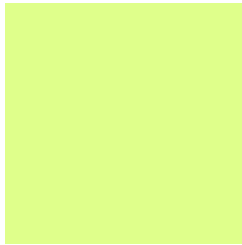
10.8871, 4.5230, 49.7338



1.1601, 0.4920, 4.8471

Previews

White Background



This preview shows how the XYZ color 70.8516, 89.0721, 37.8844 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 70.8516, 89.0721, 37.8844 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 70.8516, 89.0721, 37.8844

Background



This preview shows how black text looks on a background with the XYZ color 70.8516, 89.0721, 37.8844.

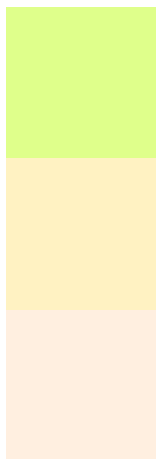


This preview shows how white text looks on a background with the XYZ color 70.8516, 89.0721,

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

70.8516, 89.0721, 37.8844

Protanopia

82.7297, 88.6593, 63.7916

Deuteranopia

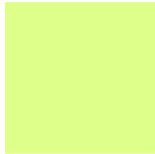
85.5610, 88.3748, 83.0695



Tritanopia

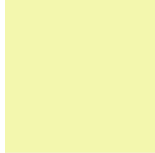
85.1019, 88.4813, 107.2010

Trichromacy



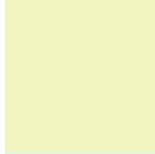
Original Color

70.8516, 89.0721, 37.8844



Protanomaly

77.8629, 88.6322, 53.0483



Deuteranomaly

79.2402, 88.2098, 63.3019



Tritanomaly

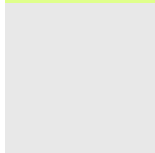
78.5703, 88.0393, 75.8030

Monochromacy



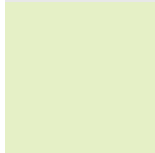
Original Color

70.8516, 89.0721, 37.8844



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.6662, 83.0554, 65.5748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.8516, 89.0721, 37.8844 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 139) }
```

Border

The CSS property to change the border of an element to XYZ 70.8516, 89.0721, 37.8844 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, 139) }
```


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

```
.border{ border-color:rgb(223, 255, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 70.8516, 89.0721, 37.8844 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, 139) }
```

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

```
.background{ background-color: rgb(223,  
255, 139) }
```

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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