

Converting Colors

XYZ(71.8673, 89.6739, 34.3976)

Have a look what the booklet for
XYZ(71.8673, 89.6739, 34.3976)
contains.

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Color

**XYZ(71.7174, 89.5990,
34.2833)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FF81
RGB	228, 255, 129
RGB Percent	89%, 100%, 51%
CMY	0.1059, 0.0000, 0.4941
CMYK	0.11, 0.00, 0.49, 0.00
HSL	73°, 100%, 75%
HSV	73°, 49%, 100%
XYZ	71.7174, 89.5990, 34.2833
YIQ	232.5630, 24.3540, -44.9100

Conversions

Conversions Part 2

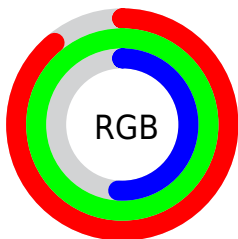
Format	Color
R_{YB}	129, 255, 156
Decimal	15007617
CIE _{Lab}	95.83, -26.83, 56.75
CIE _{LCh}	96, 62.771, 115.305
Yxy	89.5990, 0.3667, 0.4581
Android (android.graphics.Color)	4293197697 (0xFFE4FF81)
YUV	232.5630, -51.0566, -4.0018
Hunter-Lab	94.6567, -30.4074, 44.7857

Details

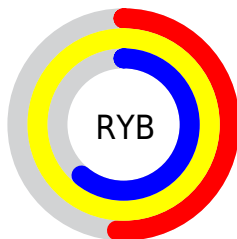
The XYZ color **71.7174, 89.5990, 34.2833** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.6117, 29.9897, 98.3086**, and the grayscale version is **77.4815, 81.5166, 88.7716**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **38.0416, 49.4422, 14.1949** is the 20% darker color. If you saturate the color by 10%, you get **68.5220, 88.1237, 26.3630**, and if you desaturate by 10%, it is **75.3909, 91.2718, 44.4359**.

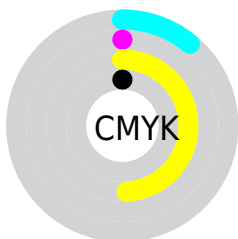
Distribution



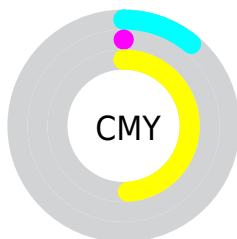
- Red (89%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (61%)



- Cyan (11%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)



- Cyan (11%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7174, 89.5990, 34.2833 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 71.7174, 89.5990, 34.2833 by changing the saturation by 10% instead.

 71.7174, 89.5990,
34.2833


 71.7174, 89.5990,
34.2833


455.7303,
526.7256, 336.2011


 53.2125, 67.6481,
22.8322


 120.6676,
146.7813, 67.5129

 38.2006, 49.6115,
14.2655


 151.8437,
182.7814, 90.1285

 26.3163, 35.1048,
8.1647


 187.9742,
224.2334, 117.3027

 17.1944, 23.7436,
4.1112

229.4244,
271.5218, 149.4539

 10.4693, 15.1435,
1.6866

276.5598,
325.0307, 187.0009

 5.7759, 8.9202,
0.3515

329.7457,

 2.7486, 4.6892,

385.1447, 230.3620

0.0000

389.3474,
452.2482, 279.9559

■ 1.0223, 2.0661,
0.0000

■ 0.0000, 0.6454,
0.0000

■ 71.7174, 89.5990,
34.2833

■ 71.7174, 89.5990,
34.2833

■ 68.5220, 88.1237,
26.3630

■ 75.3909, 91.2718,
44.4359

■ 65.7717, 86.8327,
20.5022

■ 79.5712, 93.1538,
56.9685

■ 63.4293, 85.7111,
16.5094

■ 84.2852, 95.2557,
72.0207

■ 61.4509, 84.7413,
14.1550

■ 89.5577, 97.5874,
89.7200

■ 59.7691, 83.8962, 95.0500, 100.0000,
13.0866 108.9000

■ 59.6745, 83.8484,
13.0392

Harmonies

Analogous

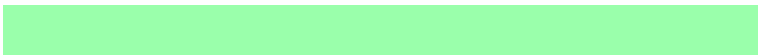
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9138, 89.5990, 30.0747



71.7174, 89.5990, 34.2833



60.6311, 89.5990, 52.7515

Triad

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



71.7174, 89.5990, 34.2833



67.5924, 89.5990, 198.7394



122.8093, 89.5990, 105.5676

Complementary

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



71.7174, 89.5990, 34.2833



39.6117, 29.9897, 98.3086

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.



115.5488, 89.5990, 162.4662



71.7174, 89.5990, 34.2833



82.4666, 89.5990, 226.6664

Square

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



71.7174, 89.5990, 34.2833



58.4854, 89.5990, 144.2150



100.1880, 89.5990, 211.5390



118.9189, 89.5990, 62.2357

Rectangle

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



71.7174, 89.5990, 34.2833



56.8629, 89.5990, 75.3279



100.1880, 89.5990, 211.5390



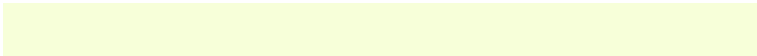
121.5669, 89.5990, 123.7809

Sweetspot

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



71.7176, 89.5990, 34.2845



86.5403, 96.2552, 79.4932



56.7918, 46.0233, 26.6602



18.2895, 20.4991, 16.2364



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.



71.7176, 89.5990, 34.2845



68.6442, 88.1805, 26.6463



55.6173, 81.2991, 33.5310



19.1578, 20.8828, 19.1654



31.3122, 43.8801, 6.8194



3.1391, 4.3190, 0.6682

Inverse Universe

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



39.6117, 29.9897, 98.3086



33.3380, 22.5324, 97.1998



54.5758, 37.7040, 99.0089



17.3668, 17.5653, 22.7251



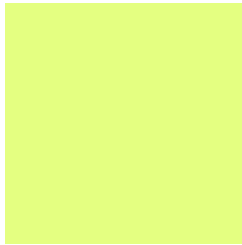
10.3453, 4.2437, 49.7084



1.0942, 0.4580, 4.8440

Previews

White Background



This preview shows how the XYZ color 71.7174, 89.5990, 34.2833 looks on a white background.

Color Contrast Check

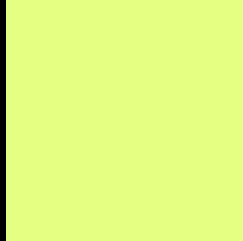
Large Text (above 18pt) WCAG AA × Fail

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 71.7174, 89.5990, 34.2833 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

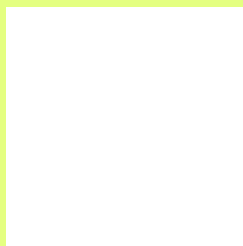
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7174, 89.5990, 34.2833

Background



This preview shows how black text looks on a background with the XYZ color 71.7174, 89.5990, 34.2833.

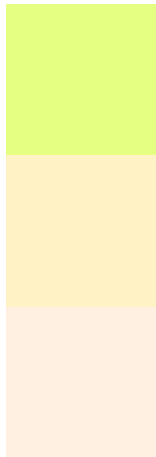


This preview shows how white text looks on a background with the XYZ color 71.7174, 89.5990,

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

71.7174, 89.5990, 34.2833

Protanopia

83.3686, 89.3924, 65.6838

Deuteranopia

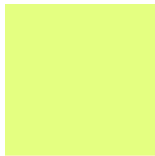
85.9907, 89.0164, 83.8839



Tritanopia

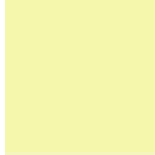
86.4674, 89.1853, 107.2649

Trichromacy



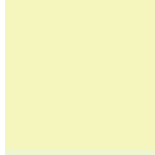
Original Color

71.7174, 89.5990, 34.2833



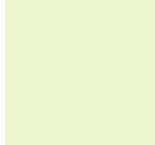
Protanomaly

78.3633, 88.9126, 52.0614



Deuteranomaly

79.6029, 88.4350, 61.5893



Tritanomaly

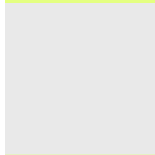
79.7243, 88.6921, 73.2390

Monochromacy



Original Color

71.7174, 89.5990, 34.2833



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.2606, 83.8396, 63.8985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7174, 89.5990, 34.2833 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(228, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 129)  
}
```

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(228, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 129) }
```

Border

The CSS property to change the border of an element to XYZ 71.7174, 89.5990, 34.2833 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(228, 255, 129) }
```


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

```
.border{ border-color:rgb(228, 255, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7174, 89.5990, 34.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 129) }
```

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

```
.background{ background-color: rgb(228,  
255, 129) }
```

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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