

Converting Colors

XYZ(71.2069, 89.1293, 43.5877)

Have a look what the booklet for
XYZ(71.2069, 89.1293, 43.5877)
contains.

XYZ(71.3286, 89.1921, 43.5934)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.3286, 89.1921,
43.5934)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFF99
RGB	221, 255, 153
RGB Percent	87%, 100%, 60%
CMY	0.1333, 0.0000, 0.4000
CMYK	0.13, 0.00, 0.40, 0.00
HSL	80°, 100%, 80%
HSV	80°, 40%, 100%
XYZ	71.3286, 89.1921, 43.5934
YIQ	233.2060, 12.4780, -38.9300

Conversions

Conversions Part 2

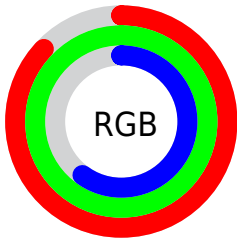
Format	Color
RYB	153, 255, 187
Decimal	14548889
CIELab	95.66, -26.92, 45.11
CIElCh	96, 52.535, 120.830
Yxy	89.1921, 0.3495, 0.4370
Android (android.graphics.Color)	4292738969 (0xFFDDFF99)
YUV	233.2060, -39.5416, -10.7047
Hunter-Lab	94.4416, -30.4576, 38.7414

Details

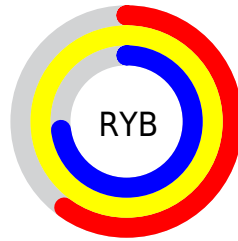
The XYZ color **71.3286, 89.1921, 43.5934** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.9359, 40.5686, 99.8064**, and the grayscale version is **77.8886, 81.9449, 89.2380**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **37.8042, 49.2008, 19.5608** is the 20% darker color. If you saturate the color by 10%, you get **66.9194, 87.1369, 33.5431**, and if you desaturate by 10%, it is **76.3195, 91.4951, 56.0226**.

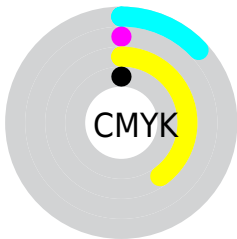
Distribution



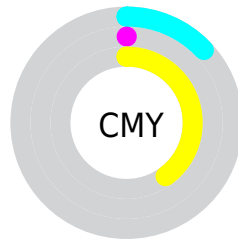
- Red (87%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (73%)



- Cyan (13%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.3286, 89.1921, 43.5934 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 71.3286, 89.1921, 43.5934 by changing the saturation by 10% instead.


 71.3286, 89.1921,
43.5934


 71.3286, 89.1921,
43.5934


454.3953,
525.3993, 377.0391

 52.8939, 67.3108,
30.0161


 120.1175,
146.2157, 81.9015

 37.9452, 49.3372,
19.5987


 151.2024,
182.1267, 107.4694

 26.1172, 34.8871,
11.9225


187.2347,
223.4831, 137.8713

 17.0445, 23.5759,
6.5690

228.5798,
270.6693, 173.5257

 10.3617, 15.0193,
3.1197

275.6031,
324.0696, 214.8511

 5.7035, 8.8329,
1.1561

328.6698,

 2.7046, 4.6324,

384.0684, 262.2662

0.0000

388.1455,
451.0502, 316.1893

0.9995, 2.0332,
0.0000

0.0000, 0.6267,
0.0000

71.3286, 89.1921,
43.5934

71.3286, 89.1921,
43.5934

66.9194, 87.1369,
33.5431

76.3195, 91.4951,
56.0226

63.0602, 85.3167,
25.7153

81.9195, 94.0570,
70.9658

59.7171, 83.7176,
19.9412

88.1552, 96.8888,
88.5526

56.8510, 82.3238,
16.0260

95.0500, 100.0000,
108.9000

■ 54.4158, 81.1165,
13.7375

■ 52.3374, 80.0660,
12.6959

■ 52.3372, 80.0658,
12.6958

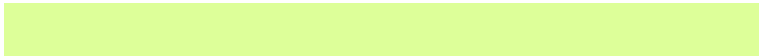
Harmonies

Analogous

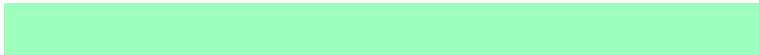
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3731, 89.1921, 37.3377



71.3286, 89.1921, 43.5934



62.7717, 89.1921, 63.2899

Triad

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



71.3286, 89.1921, 43.5934



71.9509, 89.1921, 184.3905



115.6716, 89.1921, 95.9684

Complementary

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



71.3286, 89.1921, 43.5934



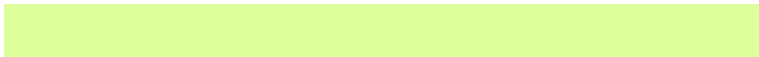
49.9359, 40.5686, 99.8064

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.



111.3977, 89.1921, 141.2483



71.3286, 89.1921, 43.5934



85.1770, 89.1921, 200.2738

Square

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



71.3286, 89.1921, 43.5934



63.1012, 89.1921, 143.8233



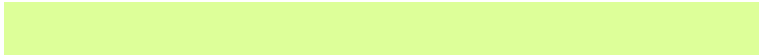
99.8119, 89.1921, 182.6310



110.9162, 89.1921, 61.8030

Rectangle

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



71.3286, 89.1921, 43.5934



60.2160, 89.1921, 84.9876



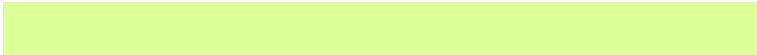
99.8119, 89.1921, 182.6310



115.2392, 89.1921, 110.3446

Sweetspot

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



71.3289, 89.1922, 43.5947



86.8552, 96.3000, 84.8158



64.7608, 59.1015, 38.1327



18.4120, 20.5312, 17.6446



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

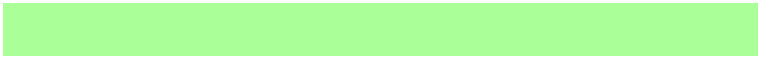
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3289, 89.1922, 43.5947



67.7558, 87.5285, 35.3693



58.0881, 82.3663, 42.9750



18.9384, 20.7697, 19.1551



27.5122, 41.9211, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

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



49.9359, 40.5686, 99.8064



43.7052, 32.8157, 98.6383



64.7018, 48.1807, 100.4974



17.5735, 17.6718, 22.7347



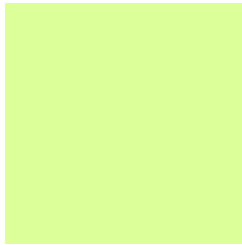
11.5297, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 71.3286, 89.1921, 43.5934 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 71.3286, 89.1921, 43.5934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

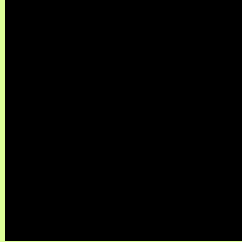
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

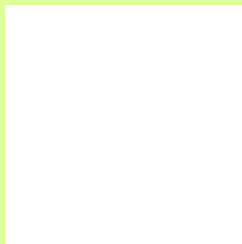
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.3286, 89.1921, 43.5934

Background



This preview shows how black text looks on a background with the XYZ color 71.3286, 89.1921, 43.5934.

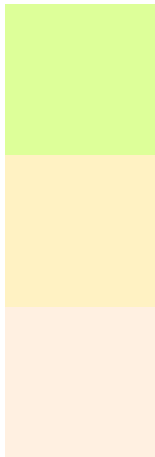


This preview shows how white text looks on a background with the XYZ color 71.3286, 89.1921,

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

71.3286, 89.1921, 43.5934

Protanopia

82.8425, 88.7044, 64.3852

Deuteranopia

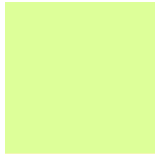
85.9907, 89.0164, 83.8839



Tritanopia

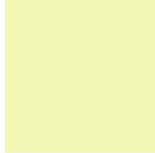
85.0620, 88.9014, 107.2842

Trichromacy



Original Color

71.3286, 89.1921, 43.5934



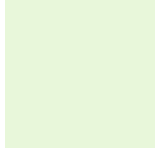
Protanomaly

78.4611, 88.8715, 56.1986



Deuteranomaly

79.9234, 88.4830, 66.8994



Tritanomaly

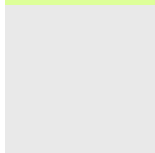
79.1944, 88.7393, 79.2841

Monochromacy



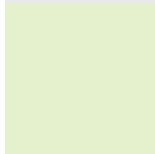
Original Color

71.3286, 89.1921, 43.5934



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6675, 83.9282, 69.3911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3286, 89.1921, 43.5934 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(221, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 153)  
}
```

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(221, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 153) }
```

Border

The CSS property to change the border of an element to XYZ 71.3286, 89.1921, 43.5934 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(221, 255, 153) }
```


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

```
.border{ border-color:rgb(221, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3286, 89.1921, 43.5934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 153) }
```

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

```
.background{ background-color: rgb(221,  
255, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor