

Converting Colors

XYZ(80.6930, 110.2195,
36.4708)

Have a look what the booklet for
XYZ(80.6930, 110.2195, 36.4708)
contains.

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Color

**XYZ(69.8931, 88.6886,
32.8369)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DFFF7D |
| RGB | 223, 255, 125 |
| RGB Percent | 87%, 100%, 49% |
| CMY | 0.1255, 0.0000, 0.5098 |
| CMYK | 0.13, 0.00, 0.51, 0.00 |
| HSL | 75°, 100%, 75% |
| HSV | 75°, 51%, 100% |
| XYZ | 69.8931, 88.6886, 32.8369 |
| YIQ | 230.6120, 22.6580, -47.2140 |

Conversions

Conversions Part 2

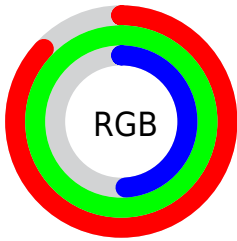
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 125, 255, 157 |
| Decimal | 14679933 |
| CIELab | 95.45, -29.09, 58.03 |
| CIELCh | 95, 64.915, 116.619 |
| Yxy | 88.6886, 0.3651, 0.4633 |
| Android (android.graphics.Color) | 4292870013 (0xFFDFFF7D) |
| YUV | 230.6120, -52.0667, -6.6757 |
| Hunter-Lab | 94.1746, -32.3292, 45.2489 |

Details

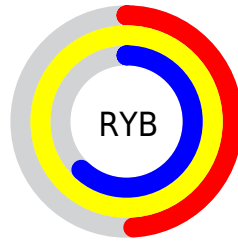
The XYZ color **69.8931, 88.6886, 32.8369** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **39.2894, 29.0566, 98.1455**, and the grayscale version is **76.0294, 79.9889, 87.1079**.

A 20% lighter version of the original color is **85.2382, 96.0753, 57.2319**, and **37.0573, 48.9501, 13.4564** is the 20% darker color. If you saturate the color by 10%, you get **66.5692, 87.1398, 25.2421**, and if you desaturate by 10%, it is **73.7073, 90.4419, 42.6395**.

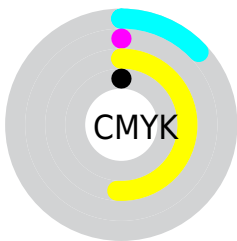
Distribution



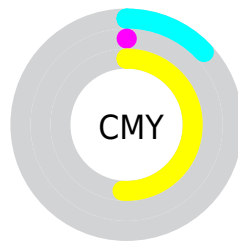
- Red (87%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (62%)



- Cyan (13%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8931, 88.6886, 32.8369 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 69.8931, 88.6886, 32.8369 by changing the saturation by 10% instead.


 69.8931, 88.6886,
32.8369

 69.8931, 88.6886,
32.8369


449.4468,
523.7556, 329.5236


 51.7187, 66.8935,
21.7314


 118.0834,
145.5155, 65.2339

 37.0042, 48.9981,
13.4633


 148.8300,
181.3160, 87.3625

 25.3845, 34.6180,
7.6139

 184.4980,
222.5538, 114.0025

 16.4940, 23.3687,
3.7647

225.4528,
269.6133, 145.5726

 9.9674, 14.8660,
1.4971

272.0597,
322.8788, 182.4912

 5.4395, 8.7254,
0.2158

324.6841,

 2.5447, 4.5625,

382.7348, 225.1769

0.0000

383.6914,
449.5656, 274.0481

■ 0.9179, 1.9929,
0.0000

■ 0.0000, 0.6034,
0.0000

■ 69.8931, 88.6886,
32.8369

■ 69.8931, 88.6886,
32.8369

■ 66.5692, 87.1398,
25.2421

■ 73.7073, 90.4419,
42.6395

■ 63.7016, 85.7816,
19.6793

■ 78.0411, 92.4114,
54.8002

■ 61.2520, 84.5988,
15.9520

■ 82.9220, 94.6082,
69.4602

■ 59.1748, 83.5729,
13.8231

■ 88.3755, 97.0425,
86.7489

■ 57.5562, 82.7564,
12.9400

94.4249, 99.7239,
106.7864

95.0500, 100.0000,
108.9000

Harmonies

Analogous

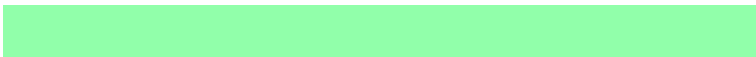
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3275, 88.6886, 28.1129



69.8931, 88.6886, 32.8369



58.8595, 88.6886, 52.1079

Triad

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



69.8931, 88.6886, 32.8369



66.8571, 88.6886, 203.5099



123.2175, 88.6886, 102.4549

Complementary

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



69.8931, 88.6886, 32.8369



39.2894, 29.0566, 98.1455

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.



116.1718, 88.6886, 161.0434



69.8931, 88.6886, 32.8369



82.2964, 88.6886, 230.9148

Square

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



69.8931, 88.6886, 32.8369



57.2874, 88.6886, 147.3886



100.5526, 88.6886, 213.1464



118.6857, 88.6886, 59.0194

Rectangle

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



69.8931, 88.6886, 32.8369



55.2299, 88.6886, 75.6419



100.5526, 88.6886, 213.1464



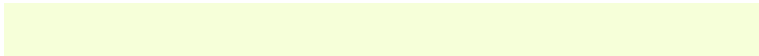
122.1026, 88.6886, 121.0333

Sweetspot

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



69.8933, 88.6887, 32.8381



86.1123, 96.0345, 79.4732



56.7193, 46.2955, 25.3498



18.1857, 20.4456, 16.2316



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

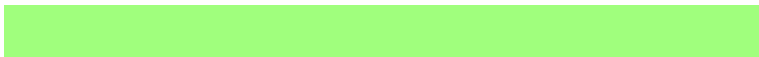
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.8933, 88.6887, 32.8381



66.5627, 87.1367, 25.2283



53.8931, 80.4403, 32.0893



19.0988, 20.8523, 19.1626



30.2170, 43.3155, 6.7681



3.0410, 4.2684, 0.6636

Inverse Universe

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



39.2894, 29.0566, 98.1455



32.9929, 21.6103, 97.0400



55.0006, 37.1560, 98.8807



17.4218, 17.5937, 22.7276



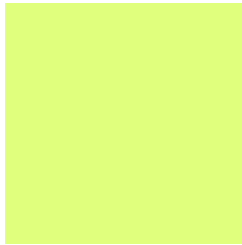
10.6074, 4.3788, 49.7207



1.1268, 0.4748, 4.8455

Previews

White Background



This preview shows how the XYZ color 69.8931, 88.6886, 32.8369 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 69.8931, 88.6886, 32.8369 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

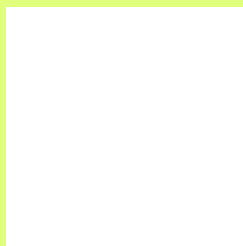
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8931, 88.6886, 32.8369

Background



This preview shows how black text looks on a background with the XYZ color 69.8931, 88.6886, 32.8369.

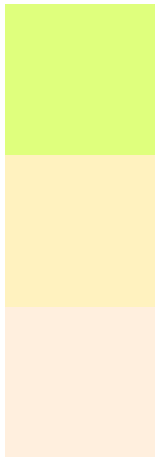


This preview shows how white text looks on a background with the XYZ color 69.8931, 88.6886,

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

69.8931, 88.6886, 32.8369

Protanopia

82.3961, 88.5258, 62.0347

Deuteranopia

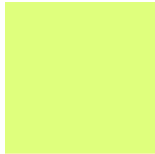
85.2913, 88.2669, 81.6491



Tritanopia

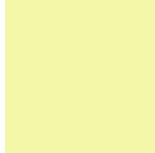
85.4405, 88.6559, 107.2168

Trichromacy



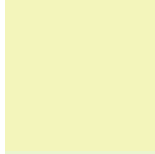
Original Color

69.8931, 88.6886, 32.8369



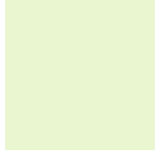
Protanomaly

77.1980, 88.3662, 49.5468



Deuteranomaly

78.5842, 87.9474, 59.8474



Tritanomaly

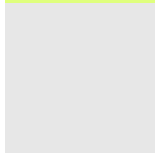
78.2726, 87.9580, 72.5267

Monochromacy



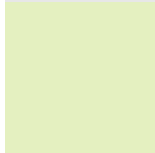
Original Color

69.8931, 88.6886, 32.8369



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.6694, 82.6199, 61.9863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8931, 88.6886, 32.8369 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 125) }
```

Border

The CSS property to change the border of an element to XYZ 69.8931, 88.6886, 32.8369 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, 125) }
```


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

```
.border{ border-color:rgb(223, 255, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8931, 88.6886, 32.8369 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, 125) }
```

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

```
.background{ background-color: rgb(223,  
255, 125) }
```

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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