

Converting Colors

XYZ(37.8548, 69.7913, 30.8629)

Have a look what the booklet for
XYZ(37.8548, 69.7913, 30.8629)
contains.

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Color

**XYZ(37.8873, 69.8519,
30.8879)**

Conversions

Conversions Part 1

Format	Color
Hex	00FA7D
RGB	0, 250, 125
RGB Percent	0%, 98%, 49%
CMY	0.9999, 0.0196, 0.5098
CMYK	1.00, 0.00, 0.50, 0.02
HSL	150°, 100%, 49%
HSV	150°, 100%, 98%
XYZ	37.8873, 69.8519, 30.8879
YIQ	161.0000, -108.8750, -91.8750

Conversions

Conversions Part 2

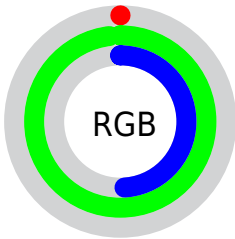
Format	Color
RYB	0, 167, 250
Decimal	64125
CIELab	86.92, -75.66, 46.04
CIELCh	87, 88.569, 148.678
Yxy	69.8519, 0.2733, 0.5039
Android (android.graphics.Color)	4278254205 (0xFF00FA7D)
YUV	161.0000, -17.7480, -141.1970
Hunter-Lab	83.5774, -65.3430, 36.5923

Details

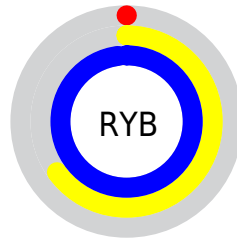
The XYZ color **37.8873, 69.8519, 30.8879** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **43.1289, 21.8063, 21.3442**, and the grayscale version is **33.9959, 35.7663, 38.9495**.

A 20% lighter version of the original color is **50.9376, 78.3927, 55.6266**, and **20.0522, 38.1803, 12.6160** is the 20% darker color. If you saturate the color by 10%, you get **37.8882, 69.8544, 30.8865**, and if you desaturate by 10%, it is **39.1399, 70.4014, 35.3830**.

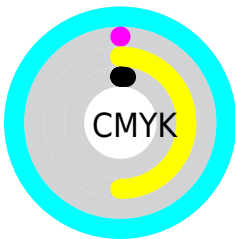
Distribution



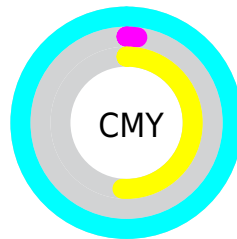
- Red (0%)
- Green (98%)
- Blue (49%)



- Red (0%)
- Yellow (65%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8873, 69.8519, 30.8879 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 37.8873, 69.8519, 30.8879 by changing the saturation by 10% instead.


 37.8873, 69.8519,
30.8879


 37.8873, 69.8519,
30.8879


328.4255,
460.0298, 320.3567


 26.0720, 51.4058,
20.2558


 71.2404, 118.9975,
62.1410


 17.0105, 36.5317,
12.3952


 93.5089, 150.4659,
83.5991


 10.3373, 24.8451,
6.8876


 119.9926,
187.0437, 109.5029

 5.6872, 15.9617,
3.3145

 151.0568,
229.1155, 140.2710

 2.6946, 9.4970,
1.2574

 187.0668,
277.0656, 176.3219

 0.9944, 5.0668,
0.0265

228.3880,

 0.0000, 2.2865,

331.2784, 218.0741

0.0000

275.3858,
392.1384, 265.9462

■ 0.0000, 0.7665,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.8873, 69.8519,
30.8879

■ 37.8873, 69.8519,
30.8879

■ 37.8882, 69.8544,
30.8865

■ 39.1399, 70.4014,
35.3830

■ 41.0087, 71.2546,
40.4485

■ 43.6568, 72.4972,
46.1112

■ 47.1832, 74.1797,
52.3925

■ 51.6714, 76.3450,
59.3122

■ 57.1947, 79.0304,
66.8891

■ 63.8189, 82.2695,
75.1413

■ 71.6041, 86.0930,
84.0858

■ 80.6060, 90.5293,
93.7391

Harmonies

Analogous

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



49.0797, 69.8519, 13.5091



37.8873, 69.8519, 30.8879



34.0452, 69.8519, 73.4598

Triad

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



37.8873, 69.8519, 30.8879



65.4790, 69.8519, 256.1642



107.7453, 69.8519, 33.4512

Complementary

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



37.8873, 69.8519, 30.8879



43.1289, 21.8063, 21.3442

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.



114.6077, 69.8519, 78.7144



37.8873, 69.8519, 30.8879



87.3609, 69.8519, 226.1025

Square

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



37.8873, 69.8519, 30.8879



47.7921, 69.8519, 220.7141



106.4834, 69.8519, 151.9458



89.2828, 69.8519, 14.3564

Rectangle

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



37.8873, 69.8519, 30.8879



35.3977, 69.8519, 118.6672



106.4834, 69.8519, 151.9458



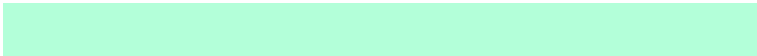
111.6353, 69.8519, 45.1052

Sweetspot

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



37.8890, 69.8547, 30.8895



66.7266, 86.0409, 78.5644



43.2673, 73.0549, 11.8211



13.6258, 18.0948, 16.0178



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.



37.8890, 69.8547, 30.8895



39.6229, 73.0652, 32.2619



50.7968, 75.0178, 98.8609



17.3793, 19.4540, 20.1981



20.1690, 37.0806, 16.7651



1.9215, 3.4557, 1.8345

Inverse Universe

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



43.1289, 21.8063, 21.3442



45.1040, 22.8056, 22.2773



39.4490, 20.3343, 1.9659



17.6066, 17.3700, 19.7841



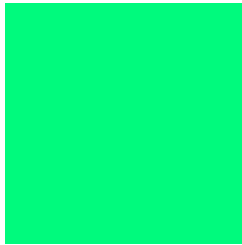
22.9483, 11.5950, 11.7021



2.1789, 1.0953, 1.3656

Previews

White Background



This preview shows how the XYZ color 37.8873, 69.8519, 30.8879 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 37.8873, 69.8519, 30.8879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

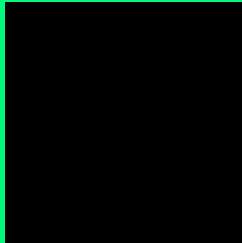
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8873, 69.8519, 30.8879

Background



This preview shows how black text looks on a background with the XYZ color 37.8873, 69.8519, 30.8879.

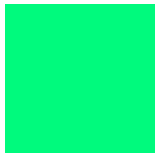


This preview shows how white text looks on a background with the XYZ color 37.8873, 69.8519,

Color Blindness Simulation

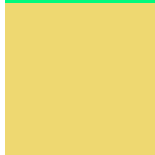
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.8873, 69.8519, 30.8879



Protanopia

62.7964, 68.4811, 25.5312



Deuteranopia

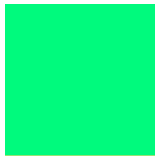
68.9776, 68.0556, 37.9343



Tritanopia

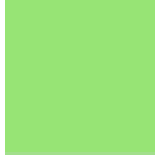
52.8693, 69.6977, 105.2742

Trichromacy



Original Color

37.8873, 69.8519, 30.8879



Protanomaly

43.7168, 63.3505, 26.7534



Deuteranomaly

46.0216, 62.3502, 34.4201



Tritanomaly

44.7649, 68.4568, 70.5286

Monochromacy



Original Color

37.8873, 69.8519, 30.8879



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.8947, 43.1028, 34.7610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8873, 69.8519, 30.8879 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(0, 250, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 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(0, 250, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 125) }
```

Border

The CSS property to change the border of an element to XYZ 37.8873, 69.8519, 30.8879 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(0, 250, 125) }
```


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

```
.border{ border-color:rgb(0, 250, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8873, 69.8519, 30.8879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 125) }
```

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

```
.background{ background-color: rgb(0, 250,  
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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