

Converting Colors

XYZ(30.8226, 65.8895, 31.5819)

Have a look what the booklet for
XYZ(30.8226, 65.8895, 31.5819)
contains.

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Color

**XYZ(37.7720, 69.3099,
31.8094)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00F980 |
| RGB | 0, 249, 128 |
| RGB Percent | 0%, 98%, 50% |
| CMY | 0.9999, 0.0235, 0.4980 |
| CMYK | 1.00, 0.00, 0.49, 0.02 |
| HSL | 151°, 100%, 49% |
| HSV | 151°, 100%, 98% |
| XYZ | 37.7720, 69.3099, 31.8094 |
| YIQ | 160.7550, -109.5630, -90.4190 |

Conversions

Conversions Part 2

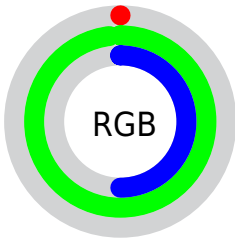
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 164, 249 |
| Decimal | 63872 |
| CIELab | 86.66, -74.88, 44.29 |
| CIELCh | 87, 87.000, 149.399 |
| Yxy | 69.3099, 0.2720, 0.4990 |
| Android (android.graphics.Color) | 4278253952 (0xFF00F980) |
| YUV | 160.7550, -16.1482, -140.9821 |
| Hunter-Lab | 83.2526, -64.7059, 35.6231 |

Details

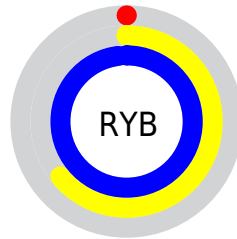
The XYZ color **37.7720, 69.3099, 31.8094** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **42.5211, 21.5219, 20.0089**, and the grayscale version is **33.8753, 35.6394, 38.8113**.

A 20% lighter version of the original color is **51.2467, 78.5163, 57.2539**, and **19.9353, 37.7834, 13.0797** is the 20% darker color. If you saturate the color by 10%, you get **37.7729, 69.3123, 31.8077**, and if you desaturate by 10%, it is **39.0172, 69.8562, 36.2784**.

Distribution



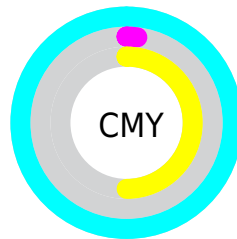
- Red (0%)
- Green (98%)
- Blue (50%)



- Red (0%)
- Yellow (64%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7720, 69.3099, 31.8094 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 37.7720, 69.3099, 31.8094 by changing the saturation by 10% instead.


 37.7720, 69.3099,
31.8094


 37.7720, 69.3099,
31.8094


327.9387,
458.1232, 324.7160


 25.9822, 50.9641,
20.9523


 71.0647, 118.2241,
63.6066


 16.9429, 36.1801,
12.8983


 93.2983, 149.5613,
85.3838


 10.2889, 24.5733,
7.2286

 119.7439,
185.9978, 111.6382

 5.6546, 15.7594,
3.5249

 150.7667,
227.9180, 142.7882

 2.6749, 9.3541,
1.3685

 186.7323,
275.7062, 179.2525

 0.9843, 4.9729,
0.1170

228.0059,

 0.0000, 2.2313,

329.7469, 221.4495

0.0000

274.9529,
390.4244, 269.7979

■ 0.0000, 0.7370,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7720, 69.3099,
31.8094

■ 37.7720, 69.3099,
31.8094

■ 37.7729, 69.3123,
31.8077

■ 39.0172, 69.8562,
36.2784

■ 40.8679, 70.7013,
41.2868

■ 43.4854, 71.9300,
46.8592

■ 46.9676, 73.5925,
53.0153

■ 51.3968, 75.7309,
59.7735

■ 56.8453, 78.3820,
67.1510

■ 63.3781, 81.5792,
75.1644

■ 71.0543, 85.3526,
83.8293

■ 79.9291, 89.7303,
93.1609

Harmonies

Analogous

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



48.5841, 69.3099, 14.1058



37.7720, 69.3099, 31.8094



34.1602, 69.3099, 74.3056

Triad

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



37.7720, 69.3099, 31.8094



65.4703, 69.3099, 250.4010



105.8604, 69.3099, 32.9594

Complementary

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



37.7720, 69.3099, 31.8094



42.5211, 21.5219, 20.0089

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.



112.8720, 69.3099, 76.6399



37.7720, 69.3099, 31.8094



86.8519, 69.3099, 219.8664

Square

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



37.7720, 69.3099, 31.8094



48.0102, 69.3099, 217.4942



105.3023, 69.3099, 147.4740



87.7034, 69.3099, 14.4908

Rectangle

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



37.7720, 69.3099, 31.8094



35.6026, 69.3099, 118.7925



105.3023, 69.3099, 147.4740



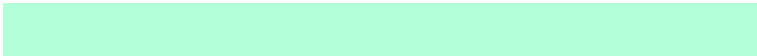
109.7457, 69.3099, 44.2102

Sweetspot

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



37.7737, 69.3127, 31.8110



66.8667, 86.0969, 79.3022



42.2635, 72.0774, 11.6854



13.6589, 18.1081, 16.1921



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.



37.7737, 69.3127, 31.8110



39.8619, 73.1607, 33.5201



50.9768, 74.5939, 101.3373



17.3899, 19.4582, 20.2535



20.2906, 37.1292, 17.4055



1.9328, 3.4602, 1.8942

Inverse Universe

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



42.5211, 21.5219, 20.0089



44.8733, 22.7133, 21.0628



39.0688, 20.1410, 1.8290



17.5961, 17.3658, 19.7288



22.8308, 11.5480, 11.0832



2.1679, 1.0909, 1.3074

Previews

White Background



This preview shows how the XYZ color 37.7720, 69.3099, 31.8094 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 37.7720, 69.3099, 31.8094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

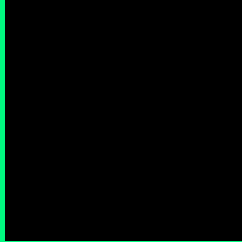
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7720, 69.3099, 31.8094

Background



This preview shows how black text looks on a background with the XYZ color 37.7720, 69.3099, 31.8094.

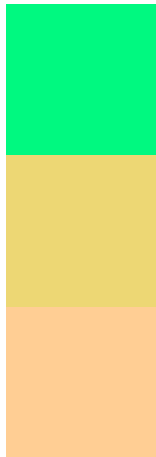


This preview shows how white text looks on a background with the XYZ color 37.7720, 69.3099, 31.8094.

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

37.7720, 69.3099, 31.8094

Protanopia

62.3779, 67.8664, 26.3348

Deuteranopia

68.6566, 67.5407, 37.4350



Tritanopia

52.3170, 69.0053, 104.3279

Trichromacy



Original Color

37.7720, 69.3099, 31.8094



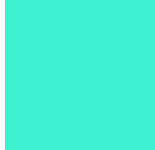
Protanomaly

43.6217, 62.8735, 27.6060



Deuteranomaly

45.8293, 61.8470, 34.7215



Tritanomaly

44.4087, 67.8349, 70.4274

Monochromacy



Original Color

37.7720, 69.3099, 31.8094



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.9743, 43.1346, 35.1798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7720, 69.3099, 31.8094 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, 249, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 128)  
}
```

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, 249, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 128) }
```

Border

The CSS property to change the border of an element to XYZ 37.7720, 69.3099, 31.8094 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, 249, 128) }
```


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

```
.border{ border-color:rgb(0, 249, 128) }
```

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

Here you see how a box with a 4 pixel rgb(0, 249, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7720, 69.3099, 31.8094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 128) }
```

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

```
.background{ background-color: rgb(0, 249,  
128) }
```

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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