

Converting Colors

XYZ(37.3671, 71.1508, 23.5026)

Have a look what the booklet for
XYZ(37.3671, 71.1508, 23.5026)
contains.

XYZ(37.3774, 71.1514, 23.5680)	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(37.3774, 71.1514,
23.5680)**

Conversions

Conversions Part 1

Format	Color
Hex	00FD63
RGB	0, 253, 99
RGB Percent	0%, 99%, 39%
CMY	1.0000, 0.0078, 0.6117
CMYK	1.00, 0.00, 0.61, 0.01
HSL	143°, 100%, 50%
HSV	143°, 100%, 99%
XYZ	37.3774, 71.1514, 23.5680
YIQ	159.7970, -101.3540, -101.5300

Conversions

Conversions Part 2

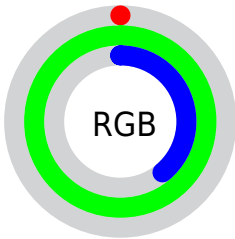
Format	Color
RYB	0, 182, 253
Decimal	64867
CIELab	87.56, -80.05, 58.47
CIELCh	88, 99.130, 143.858
Yxy	71.1514, 0.2830, 0.5386
Android (android.graphics.Color)	4278254947 (0xFF00FD63)
YUV	159.7970, -29.9729, -140.1420
Hunter-Lab	84.3513, -68.5186, 42.4801

Details

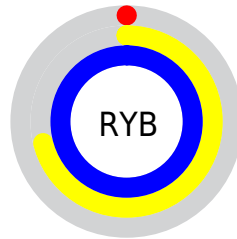
The XYZ color **37.3774, 71.1514, 23.5680** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **46.3431, 23.2170, 32.6143**, and the grayscale version is **33.4896, 35.2336, 38.3694**.

A 20% lighter version of the original color is **48.7952, 77.5661, 42.9718**, and **19.9330, 39.1974, 8.7058** is the 20% darker color. If you saturate the color by 10%, you get **37.3788, 71.1542, 23.5683**, and if you desaturate by 10%, it is **38.5956, 71.6881, 27.8438**.

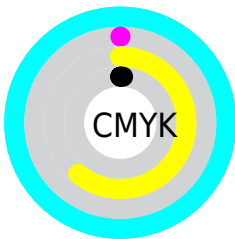
Distribution



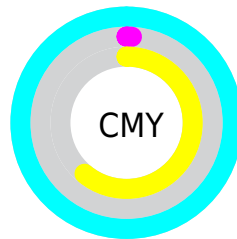
- Red (0%)
- Green (99%)
- Blue (39%)



- Red (0%)
- Yellow (71%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3774, 71.1514, 23.5680 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 37.3774, 71.1514, 23.5680 by changing the saturation by 10% instead.


 37.3774, 71.1514,
23.5680


 37.3774, 71.1514,
23.5680


326.2688,
464.5825, 283.8450


 25.6748, 52.4658,
14.8042


 70.4629, 120.8493,
50.2593

 16.7119, 37.3765,
8.5370


 92.5766, 152.6303,
69.0239


 10.1234, 25.4991,
4.3478


 118.8913,
189.5452, 91.9592

 5.5437, 16.4493,
1.8180

 149.7725,
231.9785, 119.4837

 2.6077, 9.8426,
0.4398

 185.5855,
280.3145, 152.0160

 0.9499, 5.2947,
0.0000

226.6957,

 0.0000, 2.4212,

334.9375, 189.9746

0.0000

273.4683,
396.2321, 233.7781

■ 0.0000, 0.8368,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3774, 71.1514,
23.5680

■ 37.3774, 71.1514,
23.5680

■ 37.3788, 71.1542,
23.5683

■ 38.5956, 71.6881,
27.8438

■ 40.4885, 72.5535,
32.9210

■ 43.2268, 73.8368,
38.8451

■ 46.9155, 75.5915,
45.6546

■ 51.6436, 77.8627,
53.3851

■ 57.4892, 80.6901,
62.0705

■ 64.5226, 84.1092,
71.7426

■ 72.8083, 88.1526,
82.4317

■ 82.4057, 92.8504,
94.1669

Harmonies

Analogous

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



50.9914, 71.1514, 9.2404



37.3774, 71.1514, 23.5680



31.9935, 71.1514, 64.4700

Triad

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



37.3774, 71.1514, 23.5680



62.9204, 71.1514, 289.6188



117.7685, 71.1514, 36.1230

Complementary

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



37.3774, 71.1514, 23.5680



46.3431, 23.2170, 32.6143

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.



123.0437, 71.1514, 92.1137



37.3774, 71.1514, 23.5680



87.5371, 71.1514, 265.5434

Square

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



37.3774, 71.1514, 23.5680



44.3826, 71.1514, 235.3790



110.9279, 71.1514, 181.2155



97.8330, 71.1514, 13.0054

Rectangle

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



37.3774, 71.1514, 23.5680



32.6371, 71.1514, 112.6706



110.9279, 71.1514, 181.2155



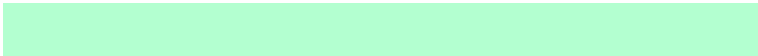
121.4812, 71.1514, 50.4929

Sweetspot

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



37.3791, 71.1543, 23.5696



65.6737, 85.6197, 73.0198



48.8414, 77.3235, 12.3510



13.3781, 17.9958, 14.7138



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.



37.3791, 71.1543, 23.5696



38.0496, 72.4358, 23.9770



48.5120, 75.6075, 82.1945



18.0659, 20.2859, 20.6498



19.9497, 37.8765, 12.8865



1.9942, 3.7086, 1.5273

Inverse Universe

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



46.3431, 23.2170, 32.6143



47.1749, 23.6340, 33.1826



40.7380, 20.9750, 3.0982



18.4739, 18.1729, 21.1128



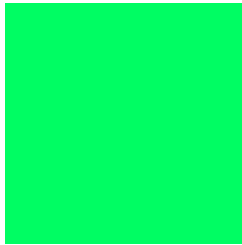
24.7254, 12.3794, 17.7361



2.4611, 1.2268, 2.0096

Previews

White Background



This preview shows how the XYZ color 37.3774, 71.1514, 23.5680 looks on a white background.

Color Contrast Check

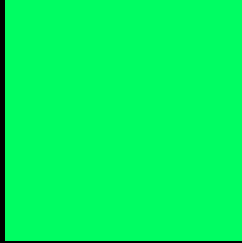
Large Text (above 18pt) WCAG AA × Fail

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 37.3774, 71.1514, 23.5680 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 37.3774, 71.1514, 23.5680

Background



This preview shows how black text looks on a background with the XYZ color 37.3774, 71.1514, 23.5680.



This preview shows how white text looks on a background with the XYZ color 37.3774, 71.1514,

Color Blindness Simulation

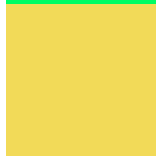
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



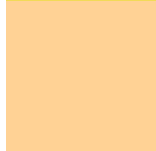
Original Color

37.3774, 71.1514, 23.5680



Protanopia

63.4508, 69.7246, 19.3465



Deuteranopia

69.7114, 69.5231, 38.1789



Tritanopia

54.2298, 70.3991, 105.3379

Trichromacy



Original Color

37.3774, 71.1514, 23.5680



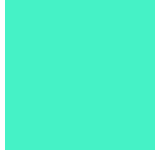
Protanomaly

43.8341, 64.7946, 20.3215



Deuteranomaly

46.1934, 63.7128, 31.3359



Tritanomaly

44.3994, 68.8467, 64.3747

Monochromacy



Original Color

37.3774, 71.1514, 23.5680



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.3587, 43.2433, 30.8442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3774, 71.1514, 23.5680 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, 253, 99)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 99)  
}
```

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, 253, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 99) }
```

Border

The CSS property to change the border of an element to XYZ 37.3774, 71.1514, 23.5680 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, 253, 99) }
```


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

```
.border{ border-color:rgb(0, 253, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 253, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 99);  
box-shadow:4px 4px 4px 4px rgb(0, 253, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.3774, 71.1514, 23.5680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 99) }
```

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

```
.background{ background-color: rgb(0, 253,  
99) }
```

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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