

Converting Colors

XYZ(37.4176, 71.6739, 22.2183)

Have a look what the booklet for
XYZ(37.4176, 71.6739, 22.2183)
contains.

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Color

**XYZ(37.4176, 71.6739,
22.2183)**

Conversions

Conversions Part 1

Format	Color
Hex	00FE5D
RGB	0, 254, 93
RGB Percent	0%, 100%, 36%
CMY	1.0000, 0.0039, 0.6353
CMYK	1.00, 0.00, 0.63, 0.00
HSL	142°, 100%, 50%
HSV	142°, 100%, 100%
XYZ	37.4176, 71.6739, 22.2183
YIQ	159.7000, -99.7030, -103.9190

Conversions

Conversions Part 2

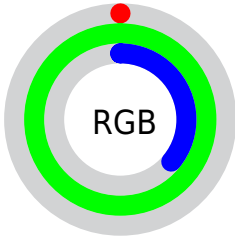
Format	Color
RYB	0, 186, 254
Decimal	65117
CIELab	87.81, -81.01, 61.24
CIELCh	88, 101.554, 142.913
Yxy	71.6739, 0.2850, 0.5458
Android (android.graphics.Color)	4278255197 (0xFF00FE5D)
YUV	159.7000, -32.8831, -140.0569
Hunter-Lab	84.6604, -69.2636, 43.7022

Details

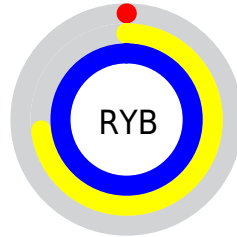
The XYZ color **37.4176, 71.6739, 22.2183** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **47.3086, 23.6454, 35.7932**, and the grayscale version is **33.4575, 35.1999, 38.3327**.

A 20% lighter version of the original color is **48.5209, 77.4718, 40.8300**, and **19.7896, 39.1400, 7.9506** is the 20% darker color. If you saturate the color by 10%, you get **37.4189, 71.6767, 22.2184**, and if you desaturate by 10%, it is **38.6203, 72.2047, 26.3993**.

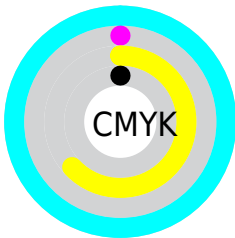
Distribution



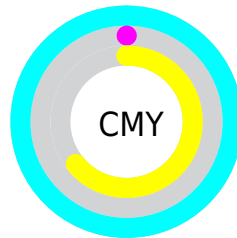
- Red (0%)
- Green (100%)
- Blue (36%)



- Red (0%)
- Yellow (73%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4176, 71.6739, 22.2183 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 37.4176, 71.6739, 22.2183 by changing the saturation by 10% instead.


 37.4176, 71.6739,
22.2183


 37.4176, 71.6739,
22.2183


326.4392,
466.4058, 276.6748

 25.7061, 52.8923,
13.8175


 70.5243, 121.5928,
48.0133

 16.7355, 37.7168,
7.8566


 92.6502, 153.4989,
66.2447

 10.1402, 25.7630,
3.9169


 118.9783,
190.5486, 88.5900

 5.5550, 16.6464,
1.5798

 149.8739,
233.1264, 115.4678

 2.6145, 9.9827,
0.2764

 185.7025,
281.6166, 147.2967

 0.9533, 5.3875,
0.0000

226.8293,

 0.0000, 2.4764,

336.4037, 184.4951

0.0000

273.6198,
397.8719, 227.4816

■ 0.0000, 0.8648,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4176, 71.6739,
22.2183

■ 37.4176, 71.6739,
22.2183

■ 37.4189, 71.6767,
22.2184

■ 38.6203, 72.2047,
26.3993

■ 40.5138, 73.0712,
31.4401

■ 43.2711, 74.3638,
37.3922

■ 46.9995, 76.1368,
44.2997

■ 51.7895, 78.4362,
52.2035

■ 57.7210, 81.3023,
61.1419

■ 64.8657, 84.7714,
71.1511

■ 73.2893, 88.8766,
82.2657

■ 83.0527, 93.6487,
94.5185

Harmonies

Analogous

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



51.6138, 71.6739, 8.4903



37.4176, 71.6739, 22.2183



31.6835, 71.6739, 62.7731

Triad

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



37.4176, 71.6739, 22.2183



62.5604, 71.6739, 298.0170



120.4005, 71.6739, 36.9054

Complementary

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



37.4176, 71.6739, 22.2183



47.3086, 23.6454, 35.7932

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.



125.2975, 71.6739, 95.6025



37.4176, 71.6739, 22.2183



87.8254, 71.6739, 275.4813

Square

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



37.4176, 71.6739, 22.2183



43.8072, 71.6739, 239.2079



112.2280, 71.6739, 188.6774



100.0964, 71.6739, 12.7995

Rectangle

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



37.4176, 71.6739, 22.2183



32.1776, 71.6739, 111.6504



112.2280, 71.6739, 188.6774



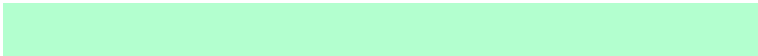
124.0724, 71.6739, 51.9594

Sweetspot

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



37.4193, 71.6768, 22.2199



65.4376, 85.5252, 71.7763



50.9824, 78.8971, 12.5419



13.3229, 17.9737, 14.4230



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.



37.4193, 71.6768, 22.2199



37.7519, 72.3168, 22.4093



47.8257, 75.8394, 77.0193



18.0465, 20.2781, 20.5476



19.7916, 37.8132, 12.0536



1.9774, 3.7019, 1.4389

Inverse Universe

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



47.3086, 23.6454, 35.7932



47.7293, 23.8557, 36.1024



41.2264, 21.2125, 3.7645



18.4939, 18.1809, 21.2183



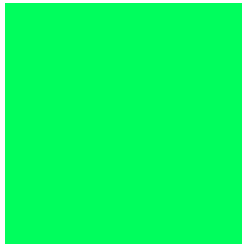
25.0140, 12.4949, 19.2558



2.4881, 1.2376, 2.1519

Previews

White Background



This preview shows how the XYZ color 37.4176, 71.6739, 22.2183 looks on a white background.

Color Contrast Check

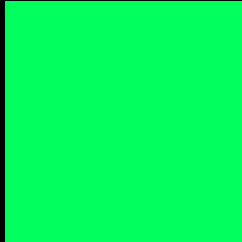
Large Text (above 18pt) WCAG AA × Fail

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 37.4176, 71.6739, 22.2183 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 37.4176, 71.6739, 22.2183

Background



This preview shows how black text looks on a background with the XYZ color 37.4176, 71.6739, 22.2183.



This preview shows how white text looks on a background with the XYZ color 37.4176, 71.6739,

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

37.4176, 71.6739, 22.2183

Protanopia

63.5949, 69.8220, 18.3088

Deuteranopia

70.0393, 70.0505, 38.6838



Tritanopia

55.1442, 71.2991, 105.4634

Trichromacy



Original Color

37.4176, 71.6739, 22.2183



Protanomaly

43.8138, 64.8085, 19.2169



Deuteranomaly

46.3318, 64.2045, 30.7196



Tritanomaly

44.6869, 69.4644, 63.2773

Monochromacy



Original Color

37.4176, 71.6739, 22.2183



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.2152, 43.1859, 30.0885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4176, 71.6739, 22.2183 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, 254, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 93)  
}
```

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, 254, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 93) }
```

Border

The CSS property to change the border of an element to XYZ 37.4176, 71.6739, 22.2183 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, 254, 93) }
```


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

```
.border{ border-color:rgb(0, 254, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 254, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 254, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.4176, 71.6739, 22.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 93) }
```

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

```
.background{ background-color: rgb(0, 254,  
93) }
```

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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