

Converting Colors

XYZ(37.5140, 70.2516, 26.5144)

Have a look what the booklet for
XYZ(37.5140, 70.2516, 26.5144)
contains.

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Color

**XYZ(37.5180, 70.2202,
26.6154)**

Conversions

Conversions Part 1

Format	Color
Hex	0CFB6F
RGB	12, 251, 111
RGB Percent	5%, 98%, 44%
CMY	0.9529, 0.0157, 0.5647
CMYK	0.95, 0.00, 0.56, 0.02
HSL	145°, 97%, 52%
HSV	145°, 95%, 98%
XYZ	37.5180, 70.2202, 26.6154
YIQ	163.5790, -97.5040, -94.2080

Conversions

Conversions Part 2

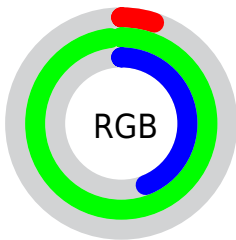
Format	Color
R_{YB}	12, 181, 251
Decimal	850799
CIE _{Lab}	87.10, -77.64, 52.72
CIE _{LCh}	87, 93.844, 145.824
Yxy	70.2202, 0.2792, 0.5227
Android (android.graphics.Color)	4279040879 (0xFF0CFB6F)
YUV	163.5790, -25.9214, -132.9348
Hunter-Lab	83.7975, -66.7272, 39.8268

Details

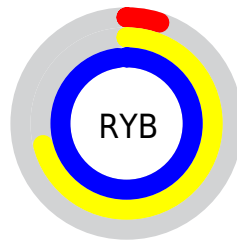
The XYZ color **37.5180, 70.2202, 26.6154** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.5849, 23.0404, 31.7537**, and the grayscale version is **35.2411, 37.0763, 40.3761**.

A 20% lighter version of the original color is **49.9791, 78.0551, 48.5084**, and **19.8085, 38.4353, 10.2456** is the 20% darker color. If you saturate the color by 10%, you get **36.9957, 69.9959, 24.6495**, and if you desaturate by 10%, it is **39.0124, 70.8912, 31.2670**.

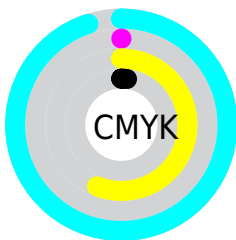
Distribution



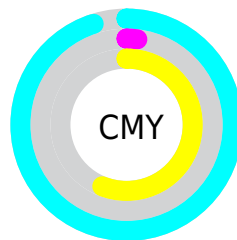
- Red (5%)
- Green (98%)
- Blue (44%)



- Red (5%)
- Yellow (71%)
- Blue (98%)



- Cyan (95%)
- Magenta (0%)
- Yellow (56%)
- Black (2%)





- Cyan (95%)
- Magenta (2%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5180, 70.2202, 26.6154 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 37.5180, 70.2202, 26.6154 by changing the saturation by 10% instead.


 37.5180, 70.2202,
26.6154


 37.5180, 70.2202,
26.6154


326.8645,
461.3228, 299.4911


 25.7843, 51.7061,
17.0547


 70.6774, 119.5227,
55.2623


 16.7942, 36.7708,
10.1111


 92.8339, 151.0799,
75.1856


 10.1823, 25.0301,
5.3661


 119.1953,
187.7536, 99.4002

 5.5832, 16.0995,
2.4012

 150.1271,
229.9281, 128.3246

 2.6315, 9.5946,
0.7871

 185.9945,
277.9879, 162.3773

 0.9621, 5.1310,
0.0000

227.1630,

 0.0000, 2.3243,

332.3173, 201.9770

0.0000

273.9979,
393.3008, 247.5421

■ 0.0000, 0.7865,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.5180, 70.2202,
26.6154

■ 37.5180, 70.2202,
26.6154


■ 36.9957, 69.9959,
24.6495


■ 39.0124, 70.8912,
31.2670


■ 41.2622, 71.9335,
36.6799

■ 44.3839, 73.4086,
42.8907


■ 48.4713, 75.3641,
49.9318

 53.6053, 77.8412,
57.8338

 59.8579, 80.8764,
66.6254

 67.2947, 84.5030,
76.3339

 75.9757, 88.7515,
86.9855

 85.9569, 93.6502,
98.6051

Harmonies

Analogous

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



49.9668, 70.2202, 11.0519



37.5180, 70.2202, 26.6154



32.8314, 70.2202, 67.9748

Triad

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



37.5180, 70.2202, 26.6154



63.7104, 70.2202, 271.9666



112.4924, 70.2202, 34.9110

Complementary

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



37.5180, 70.2202, 26.6154



45.5849, 23.0404, 31.7537

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.



118.4143, 70.2202, 85.6189



37.5180, 70.2202, 26.6154



86.9059, 70.2202, 245.4500

Square

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



37.5180, 70.2202, 26.6154



45.6976, 70.2202, 226.7569



108.1879, 70.2202, 166.6418



93.4212, 70.2202, 13.6628

Rectangle

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



37.5180, 70.2202, 26.6154



33.7687, 70.2202, 114.4574



108.1879, 70.2202, 166.6418



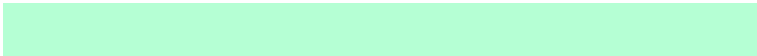
116.2440, 70.2202, 47.9643

Sweetspot

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



37.5197, 70.2231, 26.6170



66.6713, 86.0872, 75.1794



48.1605, 76.0324, 12.4855



13.5770, 18.0882, 15.1802



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.



37.5197, 70.2231, 26.6170



38.3421, 72.5528, 25.5170



48.5298, 74.6271, 84.5955



17.3155, 19.4285, 19.8621



19.5141, 36.8187, 13.3166



1.8587, 3.4306, 1.5038

Inverse Universe

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



45.5849, 23.0404, 31.7537



46.6948, 23.4419, 30.6545



40.2338, 20.9000, 3.5752



17.6711, 17.3958, 20.1239



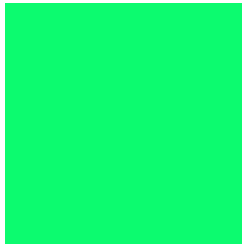
23.7557, 11.9180, 15.9540



2.2530, 1.1249, 1.7555

Previews

White Background



This preview shows how the XYZ color 37.5180, 70.2202, 26.6154 looks on a white background.

Color Contrast Check

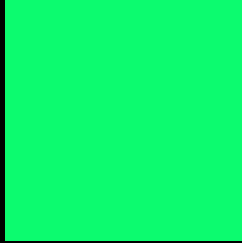
Large Text (above 18pt) WCAG AA × Fail

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 37.5180, 70.2202, 26.6154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

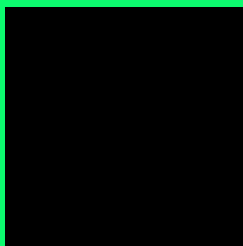
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5180, 70.2202, 26.6154

Background



This preview shows how black text looks on a background with the XYZ color 37.5180, 70.2202, 26.6154.

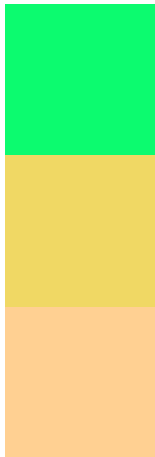


This preview shows how white text looks on a background with the XYZ color 37.5180, 70.2202,

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

37.5180, 70.2202, 26.6154

Protanopia

62.7913, 68.5571, 21.9800

Deuteranopia

68.9842, 68.4471, 36.7699



Tritanopia

53.1910, 69.8636, 105.2893

Trichromacy



Original Color

37.5180, 70.2202, 26.6154



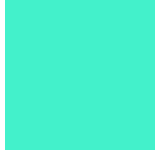
Protanomaly

44.4226, 64.2062, 23.1484



Deuteranomaly

46.8256, 63.2203, 31.9251



Tritanomaly

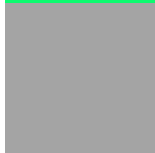
44.5495, 68.4157, 67.3575

Monochromacy



Original Color

37.5180, 70.2202, 26.6154



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.1574, 44.7754, 33.7884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5180, 70.2202, 26.6154 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(12, 251, 111)` looks like.

```
.text, #text, p{  
    color:rgb(12, 251, 111)  
}
```

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(12, 251, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 251, 111) }
```

Border

The CSS property to change the border of an element to XYZ 37.5180, 70.2202, 26.6154 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(12, 251, 111) }
```


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

```
.border{ border-color:rgb(12, 251, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 251, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 251, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 251, 111);  
box-shadow:4px 4px 4px 4px rgb(12, 251,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5180, 70.2202, 26.6154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 251, 111) }
```

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

```
.background{ background-color: rgb(12, 251,  
111) }
```

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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