

Converting Colors

XYZ(37.2222, 71.1570, 19.8526)

Have a look what the booklet for
XYZ(37.2222, 71.1570, 19.8526)
contains.

XYZ(37.2133, 71.1511, 19.7548)	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(37.2133, 71.1511,
19.7548)**

Conversions

Conversions Part 1

Format	Color
Hex	1FFD52
RGB	31, 253, 82
RGB Percent	12%, 99%, 32%
CMY	0.8784, 0.0078, 0.6784
CMYK	0.88, 0.00, 0.68, 0.01
HSL	134°, 98%, 56%
HSV	134°, 88%, 99%
XYZ	37.2133, 71.1511, 19.7548
YIQ	167.1280, -77.4210, -100.2450

Conversions

Conversions Part 2

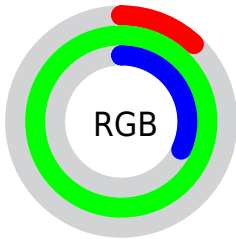
Format	Color
RYB	31, 212, 253
Decimal	2096466
CIELab	87.56, -80.59, 65.33
CIELCh	88, 103.741, 140.972
Yxy	71.1511, 0.2905, 0.5554
Android (android.graphics.Color)	4280286546 (0xFF1FFD52)
YUV	167.1280, -41.9681, -119.3843
Hunter-Lab	84.3511, -68.8653, 45.1602

Details

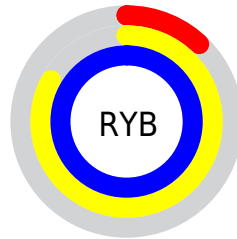
The XYZ color **37.2133, 71.1511, 19.7548** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **51.6602, 26.1277, 58.1969**, and the grayscale version is **37.0197, 38.9476, 42.4139**.

A 20% lighter version of the original color is **48.5886, 77.5950, 36.8426**, and **19.5755, 39.0544, 6.8231** is the 20% darker color. If you saturate the color by 10%, you get **36.0818, 70.6437, 16.3662**, and if you desaturate by 10%, it is **39.1477, 72.0522, 24.2832**.

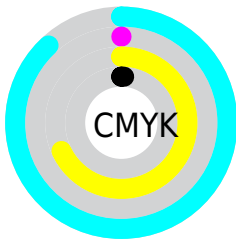
Distribution



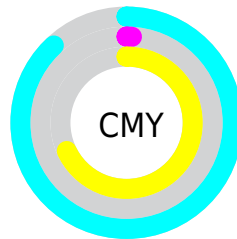
- Red (12%)
- Green (99%)
- Blue (32%)



- Red (12%)
- Yellow (83%)
- Blue (99%)



- Cyan (88%)
- Magenta (0%)
- Yellow (68%)
- Black (1%)



- Cyan (88%)
- Magenta (1%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2133, 71.1511, 19.7548 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 37.2133, 71.1511, 19.7548 by changing the saturation by 10% instead.

37.2133, 71.1511,
19.7548

37.2133, 71.1511,
19.7548

325.5726,
464.5815, 263.1448

25.5471, 52.4655,
12.0346

70.2124, 120.8488,
43.8593

16.6160, 37.3763,
6.6444

92.2761, 152.6298,
61.0806

10.0547, 25.4989,
3.1657

118.5363,
189.5447, 82.3061

5.4978, 16.4492,
1.1798

149.3583,
231.9778, 107.9543

2.5799, 9.8426,
0.0000

185.1076,
280.3137, 138.4438

0.9357, 5.2947,
0.0000

226.1495,

0.0000, 2.4212,

334.9367, 174.1929

0.0000

272.8494,
396.2311, 215.6204

■ 0.0000, 0.8368,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2133, 71.1511,
19.7548

■ 37.2133, 71.1511,
19.7548

■ 36.0818, 70.6437,
16.3662

■ 39.1477, 72.0522,
24.2832

■ 35.8937, 70.5602,
15.7478

■ 42.0218, 73.4094,
30.0377

■ 45.9465, 75.2804,
37.1014

■ 51.0154, 77.7118,
45.5487

■ 57.3112, 80.7448,
55.4483

■ 64.9091, 84.4169,
66.8642

■ 73.8780, 88.7622,
79.8567

■ 84.2819, 93.8127,
94.4828

94.4167, 98.7334,
108.6889

Harmonies

Analogous

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



52.1160, 71.1511, 7.4169



37.2133, 71.1511, 19.7548



30.9306, 71.1511, 58.1543

Triad

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



37.2133, 71.1511, 19.7548



60.4945, 71.1511, 302.0020



121.9007, 71.1511, 38.4943

Complementary

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



37.2133, 71.1511, 19.7548



51.6602, 26.1277, 58.1969

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.



125.7004, 71.1511, 100.6527



37.2133, 71.1511, 19.7548



85.9454, 71.1511, 284.3449

Square

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



37.2133, 71.1511, 19.7548



42.0689, 71.1511, 236.8456



111.2668, 71.1511, 197.4111



101.8756, 71.1511, 12.7941

Rectangle

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



37.2133, 71.1511, 19.7548



31.0957, 71.1511, 106.1192



111.2668, 71.1511, 197.4111



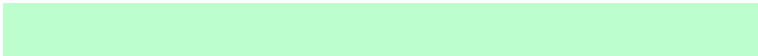
125.2811, 71.1511, 54.5078

Sweetspot

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



37.2150, 71.1540, 19.7564



67.5629, 86.6569, 70.2498



60.5243, 83.3178, 14.1883



13.8365, 18.2458, 14.1155



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.



37.2150, 71.1540, 19.7564



36.5387, 71.8315, 16.0207



44.9974, 74.2670, 60.7378



17.9425, 20.2365, 20.0002



19.1389, 37.5521, 8.6165



1.9031, 3.6721, 1.0473

Inverse Universe

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



51.6602, 26.1277, 58.1969



51.2510, 25.2644, 54.6471



43.0156, 22.6699, 12.6750



18.6036, 18.2248, 21.7958



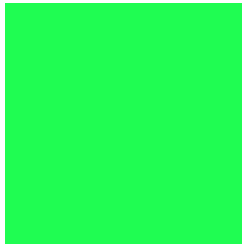
26.8396, 13.2251, 28.8697



2.6547, 1.3043, 3.0290

Previews

White Background



This preview shows how the XYZ color 37.2133, 71.1511, 19.7548 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 37.2133, 71.1511, 19.7548 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 37.2133, 71.1511, 19.7548

Background



This preview shows how black text looks on a background with the XYZ color 37.2133, 71.1511, 19.7548.

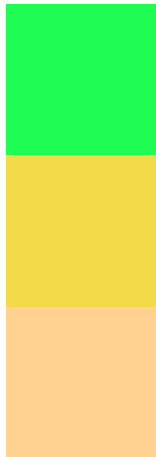


This preview shows how white text looks on a background with the XYZ color 37.2133, 71.1511,

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

37.2133, 71.1511, 19.7548

Protanopia

63.2033, 69.6654, 16.2465

Deuteranopia

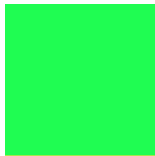
69.3974, 69.3975, 36.5255



Tritanopia

54.3521, 70.4621, 105.3436

Trichromacy



Original Color

37.2133, 71.1511, 19.7548



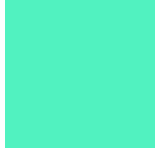
Protanomaly

45.6063, 65.7806, 17.1307



Deuteranomaly

48.1648, 64.7965, 28.3808



Tritanomaly

44.6599, 69.0594, 60.8451

Monochromacy



Original Color

37.2133, 71.1511, 19.7548



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

32.1092, 46.0173, 30.4824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2133, 71.1511, 19.7548 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(31, 253, 82)` looks like.

```
.text, #text, p{  
    color:rgb(31, 253, 82)  
}
```

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(31, 253, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 253, 82) }
```

Border

The CSS property to change the border of an element to XYZ 37.2133, 71.1511, 19.7548 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(31, 253, 82) }
```


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

```
.border{ border-color:rgb(31, 253, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 253, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 253, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 253, 82);  
box-shadow:4px 4px 4px 4px rgb(31, 253,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2133, 71.1511, 19.7548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 253, 82) }
```

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

```
.background{ background-color: rgb(31, 253,  
82) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor