

Converting Colors

XYZ(37.4561, 71.8878, 19.6204)

Have a look what the booklet for
XYZ(37.4561, 71.8878, 19.6204)
contains.

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Color

**XYZ(37.3790, 71.7107,
19.6561)**

Conversions

Conversions Part 1

Format	Color
Hex	1BFE51
RGB	27, 254, 81
RGB Percent	11%, 100%, 32%
CMY	0.8941, 0.0039, 0.6823
CMYK	0.89, 0.00, 0.68, 0.00
HSL	134°, 99%, 55%
HSV	134°, 89%, 100%
XYZ	37.3790, 71.7107, 19.6561
YIQ	166.4050, -79.7590, -101.9270

Conversions

Conversions Part 2

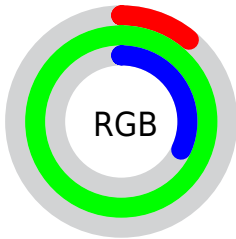
Format	Color
RYB	27, 210, 254
Decimal	1834577
CIELab	87.83, -81.21, 65.98
CIELCh	88, 104.639, 140.908
Yxy	71.7107, 0.2903, 0.5570
Android (android.graphics.Color)	4280024657 (0xFF1BFE51)
YUV	166.4050, -42.1047, -122.2582
Hunter-Lab	84.6822, -69.4033, 45.5154

Details

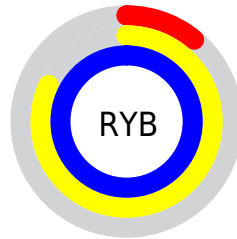
The XYZ color **37.3790, 71.7107, 19.6561** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **51.6921, 26.0258, 56.9431**, and the grayscale version is **36.6688, 38.5784, 42.0119**.

A 20% lighter version of the original color is **48.3735, 77.4926, 36.4528**, and **19.5535, 39.0456, 6.7070** is the 20% darker color. If you saturate the color by 10%, you get **36.3232, 71.2407, 16.3434**, and if you desaturate by 10%, it is **39.1981, 72.5544, 24.0876**.

Distribution



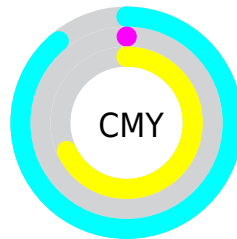
- Red (11%)
- Green (100%)
- Blue (32%)



- Red (11%)
- Yellow (82%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)



- Cyan (89%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3790, 71.7107, 19.6561 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 37.3790, 71.7107, 19.6561 by changing the saturation by 10% instead.

37.3790, 71.7107,
19.6561

37.3790, 71.7107,
19.6561

326.2756,
466.5340, 262.5896

25.6761, 52.9224,
11.9637

70.4654, 121.6451,
43.6912

16.7129, 37.7408,
6.5967

92.5795, 153.5600,
60.8710

10.1240, 25.7816,
3.1366

118.8948,
190.6193, 82.0504

5.5442, 16.6603,
1.1648

149.7766,
233.2072, 107.6479

2.6079, 9.9926,
0.0000

185.5902,
281.7083, 138.0820

0.9500, 5.3941,
0.0000

226.7010,

0.0000, 2.4803,

336.5068, 173.7713

0.0000

273.4743,
397.9873, 215.1343

■ 0.0000, 0.8667,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3790, 71.7107,
19.6561

■ 37.3790, 71.7107,
19.6561

■ 36.3232, 71.2407,
16.3434


■ 39.1981, 72.5544,
24.0876


■ 36.2702, 71.2172,
16.1691


■ 41.9423, 73.8472,
29.7241


■ 45.7261, 75.6485,
36.6480

■ 50.6457, 78.0063,
44.9327

 56.7858, 80.9630,
54.6459

 64.2229, 84.5567,
65.8510

 73.0272, 88.8222,
78.6074

 83.2636, 93.7920,
92.9713

94.7332, 99.3664,
108.7944

Harmonies

Analogous

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



52.4812, 71.7107, 7.3048



37.3790, 71.7107, 19.6561



31.0111, 71.7107, 58.3820

Triad

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



37.3790, 71.7107, 19.6561



60.8800, 71.7107, 306.3302



123.2843, 71.7107, 38.7017

Complementary

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



37.3790, 71.7107, 19.6561



51.6921, 26.0258, 56.9431

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.



127.1048, 71.7107, 101.7762



37.3790, 71.7107, 19.6561



86.6838, 71.7107, 288.5383

Square

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



37.3790, 71.7107, 19.6561



42.2385, 71.7107, 239.8523



112.4060, 71.7107, 200.1499



102.9683, 71.7107, 12.7322

Rectangle

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



37.3790, 71.7107, 19.6561



31.1670, 71.7107, 106.9630



112.4060, 71.7107, 200.1499



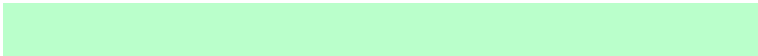
126.7065, 71.7107, 54.9306

Sweetspot

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



37.3807, 71.7137, 19.6577



66.7696, 86.2673, 69.3384



59.7385, 83.3883, 13.9841



13.6867, 18.1721, 13.9509



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.



37.3807, 71.7137, 19.6577



36.5933, 71.8533, 16.3080



45.5735, 74.9908, 62.8004



17.9487, 20.2390, 20.0326



19.1687, 37.5641, 8.7735



1.9067, 3.6736, 1.0668

Inverse Universe

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



51.6921, 26.0258, 56.9431



51.0154, 25.1701, 53.4064



43.0090, 22.5526, 11.2184



18.5970, 18.2221, 21.7610



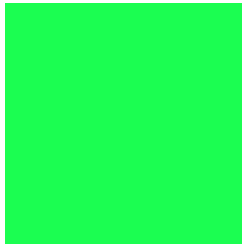
26.7178, 13.1764, 28.2281



2.6438, 1.2999, 2.9715

Previews

White Background



This preview shows how the XYZ color 37.3790, 71.7107, 19.6561 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 37.3790, 71.7107, 19.6561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

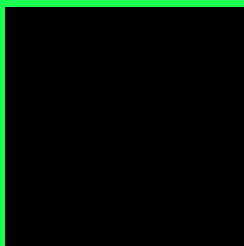
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3790, 71.7107, 19.6561

Background



This preview shows how black text looks on a background with the XYZ color 37.3790, 71.7107, 19.6561.

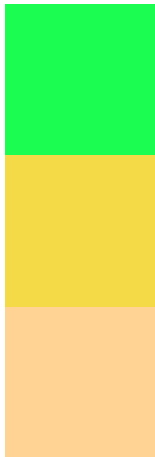


This preview shows how white text looks on a background with the XYZ color 37.3790, 71.7107,

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

37.3790, 71.7107, 19.6561

Protanopia

63.5170, 69.8308, 16.0922

Deuteranopia

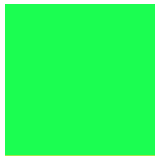
69.8796, 69.9866, 37.8427



Tritanopia

55.2736, 71.3658, 105.4695

Trichromacy



Original Color

37.3790, 71.7107, 19.6561



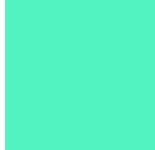
Protanomaly

45.3630, 65.6592, 16.9392



Deuteranomaly

48.1204, 65.1641, 29.1105



Tritanomaly

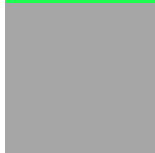
45.0447, 69.7008, 60.9487

Monochromacy



Original Color

37.3790, 71.7107, 19.6561



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.6375, 45.7823, 30.0911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3790, 71.7107, 19.6561 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(27, 254, 81)` looks like.

```
.text, #text, p{  
    color:rgb(27, 254, 81)  
}
```

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(27, 254, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 254, 81) }
```

Border

The CSS property to change the border of an element to XYZ 37.3790, 71.7107, 19.6561 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(27, 254, 81) }
```


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

```
.border{ border-color:rgb(27, 254, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 254, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 254, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 254, 81);  
box-shadow:4px 4px 4px 4px rgb(27, 254,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3790, 71.7107, 19.6561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 254, 81) }
```

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

```
.background{ background-color: rgb(27, 254,  
81) }
```

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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