

Converting Colors

XYZ(37.9109, 71.4292, 11.7891)

Have a look what the booklet for
XYZ(37.9109, 71.4292, 11.7891)
contains.

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Color

**XYZ(37.7909, 71.1573,
11.7430)**

Conversions

Conversions Part 1

Format	Color
Hex	4CFC00
RGB	76, 252, 0
RGB Percent	30%, 99%, 0%
CMY	0.7020, 0.0117, 0.9998
CMYK	0.70, 0.00, 1.00, 0.01
HSL	102°, 100%, 49%
HSV	102°, 100%, 99%
XYZ	37.7909, 71.1573, 11.7430
YIQ	170.6480, -24.0040, -115.6840

Conversions

Conversions Part 2

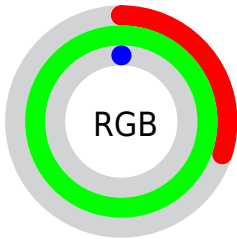
Format	Color
RYB	0, 252, 176
Decimal	5045248
CIELab	87.56, -78.72, 83.35
CIELCh	88, 114.650, 133.362
Yxy	71.1573, 0.3131, 0.5896
Android (android.graphics.Color)	4283235328 (0xFF4CFC00)
YUV	170.6480, -84.1295, -83.0063
Hunter-Lab	84.3548, -67.6530, 50.7946

Details

The XYZ color **37.7909, 71.1573, 11.7430** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **35.4865, 16.2648, 93.3684**, and the grayscale version is **38.9532, 40.9818, 44.6292**.

A 20% lighter version of the original color is **49.9045, 78.5886, 22.6641**, and **19.2918, 38.5836, 6.4306** is the 20% darker color. If you saturate the color by 10%, you get **37.7901, 71.1591, 11.7433**, and if you desaturate by 10%, it is **39.5654, 72.0537, 12.7558**.

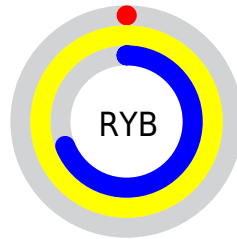
Distribution



Red (30%)

Green (99%)

Blue (0%)



Red (0%)

Yellow (99%)

Blue (69%)

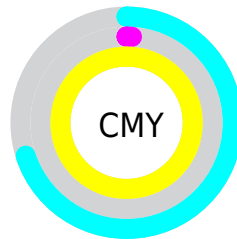


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (70%)


Magenta (1%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7909, 71.1573, 11.7430 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 37.7909, 71.1573, 11.7430 by changing the saturation by 10% instead.


 37.7909, 71.1573,
11.7430


 37.7909, 71.1573,
11.7430


328.0185,
464.6031, 213.6136

 25.9969, 52.4706,
6.4485


 71.0935, 120.8577,
29.6835


 16.9540, 37.3803,
3.0465


 93.3328, 152.6401,
43.1666


 10.2968, 25.5021,
1.1184


 119.7846,
189.5566, 60.2164

 5.6600, 16.4515,
0.0000

 150.8143,
231.9915, 81.2513

 2.6781, 9.8442,
0.0000

 186.7872,
280.3292, 106.6900

 0.9859, 5.2958,
0.0000

 228.0686,

 0.0000, 2.4218,

334.9541, 136.9509

0.0000

275.0239,
396.2506, 172.4525

■ 0.0000, 0.8371,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7909, 71.1573,
11.7430

■ 37.7909, 71.1573,
11.7430

■ 37.7901, 71.1591,
11.7433

■ 39.5654, 72.0537,
12.7558

■ 41.9787, 73.2507,
14.9940

■ 45.1283, 74.7928,
18.8302

■ 49.0807, 76.7091,
24.4909

■ 53.8937, 79.0254,
32.1659

■ 59.6192, 81.7648,
42.0216

■ 66.3046, 84.9485,
54.2067

■ 73.9940, 88.5962,
68.8571

■ 82.7283, 92.7263,
86.0981

Harmonies

Analogous

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



56.2901, 71.1573, 4.0948



37.7909, 71.1573, 11.7430



28.9814, 71.1573, 42.1202

Triad

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



37.7909, 71.1573, 11.7430



53.7822, 71.1573, 326.4946



132.0603, 71.1573, 47.8517

Complementary

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



37.7909, 71.1573, 11.7430



35.4865, 16.2648, 93.3684

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.



130.8593, 71.1573, 128.5490



37.7909, 71.1573, 11.7430



80.4054, 71.1573, 332.2898

Square

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



37.7909, 71.1573, 11.7430



36.3797, 71.1573, 231.7697



110.0948, 71.1573, 244.5220



113.0356, 71.1573, 13.5429

Rectangle

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



37.7909, 71.1573, 11.7430



27.8084, 71.1573, 86.5646



110.0948, 71.1573, 244.5220



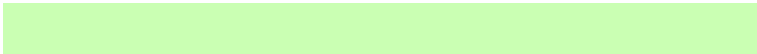
134.1348, 71.1573, 69.0510

Sweetspot

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



37.7925, 71.1603, 11.7446



68.0851, 87.2501, 55.6357



54.9404, 50.2837, 6.8112



13.9268, 18.3677, 10.7144



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.



37.7925, 71.1603, 11.7446



38.8105, 73.0926, 12.0628



35.3101, 69.8231, 14.2251



17.5093, 19.5628, 18.3156



19.8141, 37.1328, 6.1230



1.9374, 3.4919, 0.5719

Inverse Universe

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



35.4865, 16.2648, 93.3684



36.4388, 16.6998, 95.9106



51.2646, 25.1442, 60.4237



17.4538, 17.2466, 21.7943



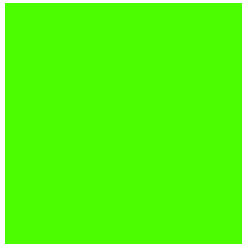
18.6392, 8.5516, 48.6418



1.8335, 0.8473, 4.5101

Previews

White Background



This preview shows how the XYZ color 37.7909, 71.1573, 11.7430 looks on a white background.

Color Contrast Check

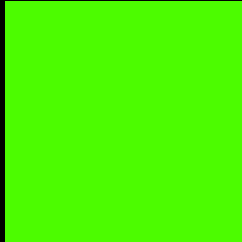
Large Text (above 18pt) WCAG AA × Fail

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 37.7909, 71.1573, 11.7430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

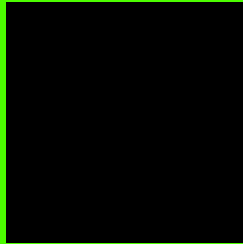
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

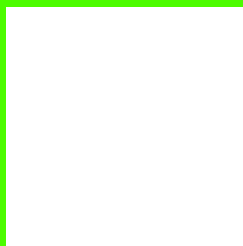
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7909, 71.1573, 11.7430

Background



This preview shows how black text looks on a background with the XYZ color 37.7909, 71.1573, 11.7430.



This preview shows how white text looks on a background with the XYZ color 37.7909, 71.1573,

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

37.7909, 71.1573, 11.7430

Protanopia

62.7276, 69.5553, 10.1194

Deuteranopia

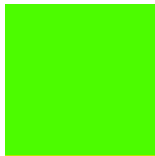
69.0943, 69.2763, 34.9293



Tritanopia

55.9048, 70.4495, 103.5801

Trichromacy



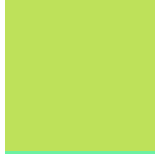
Original Color

37.7909, 71.1573, 11.7430



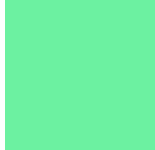
Protanomaly

48.0640, 66.7840, 10.3574



Deuteranomaly

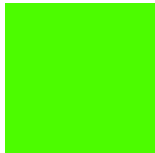
50.0059, 65.5358, 19.6869



Tritanomaly

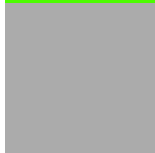
44.0727, 68.6719, 44.6504

Monochromacy



Original Color

37.7909, 71.1573, 11.7430



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.5679, 47.6469, 21.8956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7909, 71.1573, 11.7430 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(76, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 252, 0)  
}
```

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(76, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 37.7909, 71.1573, 11.7430 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(76, 252, 0) }
```


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

```
.border{ border-color:rgb(76, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(76, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 252, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.7909, 71.1573, 11.7430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 252, 0) }
```

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

```
.background{ background-color: rgb(76, 252,  
0) }
```

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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