

Converting Colors

XYZ(37.2018, 71.5777, 14.8225)

Have a look what the booklet for
XYZ(37.2018, 71.5777, 14.8225)
contains.

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Color

**XYZ(37.3329, 71.7920,
14.9072)**

Conversions

Conversions Part 1

Format	Color
Hex	32FE32
RGB	50, 254, 50
RGB Percent	20%, 100%, 20%
CMY	0.8039, 0.0039, 0.8039
CMYK	0.80, 0.00, 0.80, 0.00
HSL	120°, 99%, 60%
HSV	120°, 80%, 100%
XYZ	37.3329, 71.7920, 14.9072
YIQ	169.7480, -56.1000, -106.6920

Conversions

Conversions Part 2

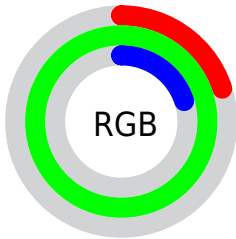
Format	Color
RYB	50, 254, 254
Decimal	3341874
CIELab	87.87, -81.53, 76.00
CIELCh	88, 111.464, 137.011
Yxy	71.7920, 0.3010, 0.5788
Android (android.graphics.Color)	4281531954 (0xFF32FE32)
YUV	169.7480, -59.0358, -105.0190
Hunter-Lab	84.7302, -69.6290, 48.8798

Details

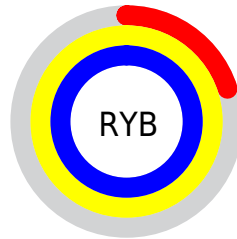
The XYZ color **37.3329, 71.7920, 14.9072** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59.9038, 30.5083, 96.4929**, and the grayscale version is **38.3895, 40.3887, 43.9833**.

A 20% lighter version of the original color is **48.4135, 77.6988, 28.0685**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.0056, 71.1566, 12.7348**, and if you desaturate by 10%, it is **39.6604, 72.9122, 18.7134**.

Distribution



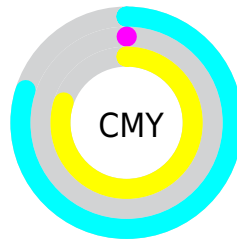
- Red (20%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3329, 71.7920, 14.9072 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 37.3329, 71.7920, 14.9072 by changing the saturation by 10% instead.


 37.3329, 71.7920,
14.9072


 37.3329, 71.7920,
14.9072


326.0801,
466.8173, 234.4252

 25.6402, 52.9888,
8.6084


 70.3950, 121.7608,
35.4303

 16.6859, 37.7938,
4.3933


 92.4951, 153.6951,
50.4917


 10.1047, 25.8227,
1.8435


 118.7951,
190.7753, 69.3109

 5.5313, 16.6910,
0.4564

 149.6603,
233.3856, 92.3067

 2.6001, 10.0145,
0.0000

 185.4560,
281.9106, 119.8975

 0.9460, 5.4085,
0.0000

226.5476,

 0.0000, 2.4889,

336.7347, 152.5018

0.0000

273.3006,
398.2421, 190.5382

■ 0.0000, 0.8711,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3329, 71.7920,
14.9072

■ 37.3329, 71.7920,
14.9072

■ 36.0056, 71.1566,
12.7348


■ 39.6604, 72.9122,
18.7134


■ 35.4433, 70.8865,
11.8148


■ 43.1274, 74.5776,
24.3846


■ 47.8565, 76.8492,
32.1200

■ 53.9531, 79.7777,
42.0922

 61.5116, 83.4084,
54.4555

 70.6182, 87.7828,
69.3508

 81.3522, 92.9389,
86.9078

 93.7875, 98.9122,
107.2475

 94.7333, 99.3665,
108.7944

Harmonies

Analogous

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



54.3857, 71.7920, 5.1857



37.3329, 71.7920, 14.9072



29.6481, 71.7920, 49.7376

Triad

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



37.3329, 71.7920, 14.9072



57.4098, 71.7920, 324.0936



129.4954, 71.7920, 42.7714

Complementary

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



37.3329, 71.7920, 14.9072



59.9038, 30.5083, 96.4929

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.



130.9195, 71.7920, 115.7804



37.3329, 71.7920, 14.9072



84.2586, 71.7920, 317.2997

Square

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



37.3329, 71.7920, 14.9072



39.0503, 71.7920, 240.9250



112.7180, 71.7920, 225.9087



109.2208, 71.7920, 12.6340

Rectangle

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



37.3329, 71.7920, 14.9072



29.1218, 71.7920, 97.3726



112.7180, 71.7920, 225.9087



132.3499, 71.7920, 61.6729

Sweetspot

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



37.3346, 71.7950, 14.9088



67.6723, 86.8491, 64.1198



76.8937, 92.1885, 16.7590



13.7898, 18.2555, 12.5877



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.



37.3346, 71.7950, 14.9088



35.9436, 71.6082, 12.2206



42.4263, 73.8317, 41.7216



17.7717, 20.1682, 19.1007



18.6854, 37.3708, 6.2287



1.8193, 3.6387, 0.6065

Inverse Universe

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



59.9038, 30.5083, 96.4929



59.3988, 28.7007, 97.0069



47.6830, 25.6200, 32.1387



18.7927, 18.3004, 22.7916



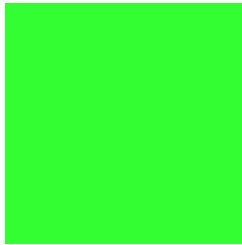
30.9793, 14.8810, 50.6688



3.0164, 1.4489, 4.9335

Previews

White Background



This preview shows how the XYZ color 37.3329, 71.7920, 14.9072 looks on a white background.

Color Contrast Check

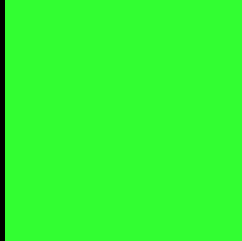
Large Text (above 18pt) WCAG AA × Fail

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 37.3329, 71.7920, 14.9072 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 37.3329, 71.7920, 14.9072

Background



This preview shows how black text looks on a background with the XYZ color 37.3329, 71.7920, 14.9072.

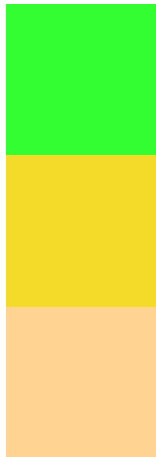


This preview shows how white text looks on a background with the XYZ color 37.3329, 71.7920,

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

37.3329, 71.7920, 14.9072

Protanopia

63.3879, 70.2356, 12.3137

Deuteranopia

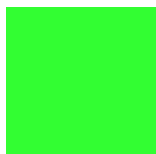
69.7226, 69.9239, 37.0160



Tritanopia

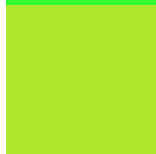
55.5167, 71.0625, 105.3981

Trichromacy



Original Color

37.3329, 71.7920, 14.9072



Protanomaly

46.7668, 66.8937, 12.8298



Deuteranomaly

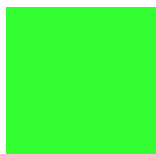
49.1607, 65.7892, 25.1465



Tritanomaly

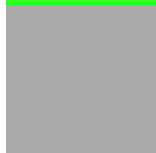
44.8030, 69.7236, 54.2767

Monochromacy



Original Color

37.3329, 71.7920, 14.9072



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.2567, 47.7153, 27.1958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3329, 71.7920, 14.9072 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(50, 254, 50)` looks like.

```
.text, #text, p{  
    color:rgb(50, 254, 50)  
}
```

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(50, 254, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 254, 50) }
```

Border

The CSS property to change the border of an element to XYZ 37.3329, 71.7920, 14.9072 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(50, 254, 50) }
```


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

```
.border{ border-color:rgb(50, 254, 50) }
```

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

Here you see how a box with a 4 pixel rgb(50, 254, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 254, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 254, 50);  
box-shadow:4px 4px 4px 4px rgb(50, 254,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3329, 71.7920, 14.9072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 254, 50) }
```

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

```
.background{ background-color: rgb(50, 254,  
50) }
```

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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