

Converting Colors

XYZ(37.4920, 71.9729, 15.1802)

Have a look what the booklet for
XYZ(37.4920, 71.9729, 15.1802)
contains.

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Color

**XYZ(37.4269, 71.8354,
15.1418)**

Conversions

Conversions Part 1

Format	Color
Hex	33FE34
RGB	51, 254, 52
RGB Percent	20%, 100%, 20%
CMY	0.8000, 0.0039, 0.7960
CMYK	0.80, 0.00, 0.80, 0.00
HSL	120°, 99%, 60%
HSV	120°, 80%, 100%
XYZ	37.4269, 71.8354, 15.1418
YIQ	170.2750, -56.1460, -105.8580

Conversions

Conversions Part 2

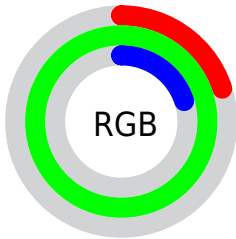
Format	Color
RYB	51, 253, 254
Decimal	3407412
CIELab	87.89, -81.32, 75.50
CIELCh	88, 110.964, 137.124
Yxy	71.8354, 0.3008, 0.5774
Android (android.graphics.Color)	4281597492 (0xFF33FE34)
YUV	170.2750, -58.3096, -104.6042
Hunter-Lab	84.7558, -69.4996, 48.7368

Details

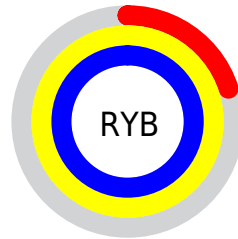
The XYZ color **37.4269, 71.8354, 15.1418** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59.7875, 30.5310, 95.6669**, and the grayscale version is **38.6499, 40.6627, 44.2817**.

A 20% lighter version of the original color is **48.4701, 77.7215, 28.3667**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.0539, 71.1788, 12.8596**, and if you desaturate by 10%, it is **39.8053, 72.9794, 19.0623**.

Distribution



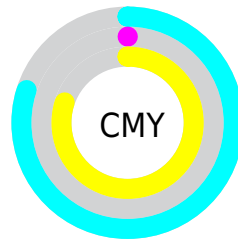
- Red (20%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (99%)
- 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 37.4269, 71.8354, 15.1418 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 37.4269, 71.8354, 15.1418 by changing the saturation by 10% instead.


 37.4269, 71.8354,
15.1418


 37.4269, 71.8354,
15.1418


326.4786,
466.9685, 235.8932

 25.7134, 53.0242,
8.7712


 70.5384, 121.8225,
35.8476

 16.7409, 37.8221,
4.4975


 92.6672, 153.7672,
51.0198


 10.1441, 25.8447,
1.9020


 118.9984,
190.8585, 69.9631

 5.5576, 16.7075,
0.4940

 149.8974,
233.4809, 93.0959

 2.6161, 10.0261,
0.0000

 185.7296,
282.0187, 120.8368

 0.9542, 5.4163,
0.0000

226.8603,

 0.0000, 2.4935,

336.8563, 153.6042

0.0000

273.6548,
398.3781, 191.8169

■ 0.0000, 0.8734,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4269, 71.8354,
15.1418

■ 37.4269, 71.8354,
15.1418

■ 36.0539, 71.1788,
12.8596

■ 39.8053, 72.9794,
19.0623

■ 35.4538, 70.8910,
11.8567

■ 43.3263, 74.6702,
24.8451

■ 35.4502, 70.8893,
11.8508

■ 48.1110, 76.9682,
32.6848

■ 54.2637, 79.9236,
42.7498

■ 61.8782, 83.5815,
55.1916

■ 71.0395, 87.9828,
70.1480

■ 81.8267, 93.1655,
87.7467

94.3130, 99.1647,
108.1065

94.7333, 99.3666,
108.7944

Harmonies

Analogous

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



54.3963, 71.8354, 5.3109



37.4269, 71.8354, 15.1418



29.7871, 71.8354, 50.0894

Triad

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



37.4269, 71.8354, 15.1418



57.5797, 71.8354, 322.7347



129.1783, 71.8354, 42.7478

Complementary

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



37.4269, 71.8354, 15.1418



59.7875, 30.5310, 95.6669

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.



130.6736, 71.8354, 115.2875



37.4269, 71.8354, 15.1418



84.3393, 71.8354, 315.6134

Square

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



37.4269, 71.8354, 15.1418



39.2372, 71.8354, 240.4239



112.6371, 71.8354, 224.6735



108.9634, 71.8354, 12.7325

Rectangle

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



37.4269, 71.8354, 15.1418



29.2812, 71.8354, 97.6648



112.6371, 71.8354, 224.6735



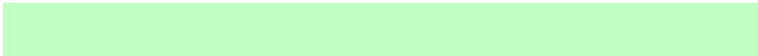
132.0418, 71.8354, 61.5384

Sweetspot

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



37.4286, 71.8384, 15.1434



67.7061, 86.8626, 64.2979



76.9156, 92.1973, 16.8740



13.7976, 18.2586, 12.6288



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.



37.4286, 71.8384, 15.1434



35.9505, 71.6110, 12.2569



42.5173, 73.8739, 41.9402



17.7753, 20.1696, 19.1197



18.6906, 37.3728, 6.2559



1.8211, 3.6394, 0.6156

Inverse Universe

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



59.7875, 30.5310, 95.6669



59.2054, 28.6233, 95.9886



47.7673, 25.7229, 32.3694



18.7886, 18.2988, 22.7699



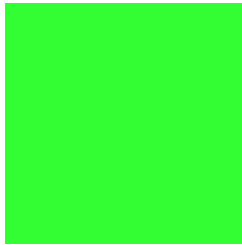
30.8758, 14.8396, 50.1241



3.0075, 1.4454, 4.8868

Previews

White Background



This preview shows how the XYZ color 37.4269, 71.8354, 15.1418 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 37.4269, 71.8354, 15.1418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

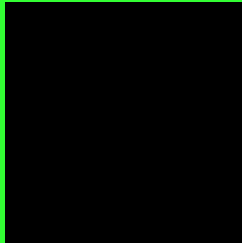
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4269, 71.8354, 15.1418

Background



This preview shows how black text looks on a background with the XYZ color 37.4269, 71.8354, 15.1418.

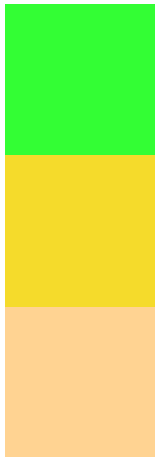


This preview shows how white text looks on a background with the XYZ color 37.4269, 71.8354,

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

37.4269, 71.8354, 15.1418

Protanopia

63.4238, 70.2499, 12.5023

Deuteranopia

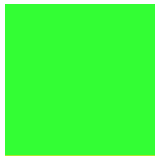
69.7226, 69.9239, 37.0160



Tritanopia

55.5167, 71.0625, 105.3981

Trichromacy



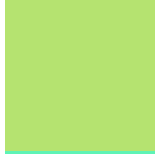
Original Color

37.4269, 71.8354, 15.1418



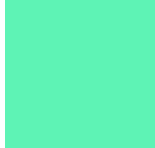
Protanomaly

46.8053, 66.9092, 13.0326



Deuteranomaly

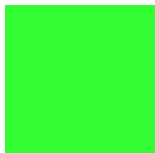
49.4498, 65.9318, 25.4491



Tritanomaly

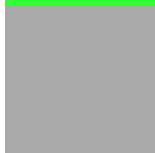
45.0072, 69.8171, 54.8200

Monochromacy



Original Color

37.4269, 71.8354, 15.1418



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.4698, 47.8176, 27.5444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4269, 71.8354, 15.1418 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(51, 254, 52)` looks like.

```
.text, #text, p{  
    color:rgb(51, 254, 52)  
}
```

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(51, 254, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 254, 52) }
```

Border

The CSS property to change the border of an element to XYZ 37.4269, 71.8354, 15.1418 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(51, 254, 52) }
```


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

```
.border{ border-color:rgb(51, 254, 52) }
```

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

Here you see how a box with a 4 pixel rgb(51, 254, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 254, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 254, 52);  
box-shadow:4px 4px 4px 4px rgb(51, 254,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4269, 71.8354, 15.1418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 254, 52) }
```

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

```
.background{ background-color: rgb(51, 254,  
52) }
```

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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