

Converting Colors

XYZ(37.9940, 72.6025, 15.1477)

Have a look what the booklet for
XYZ(37.9940, 72.6025, 15.1477)
contains.

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Color

**XYZ(37.9884, 72.5998,
15.1429)**

Conversions

Conversions Part 1

Format	Color
Hex	38FF33
RGB	56, 255, 51
RGB Percent	22%, 100%, 20%
CMY	0.7804, 0.0000, 0.8000
CMYK	0.78, 0.00, 0.80, 0.00
HSL	119°, 100%, 60%
HSV	119°, 80%, 100%
XYZ	37.9884, 72.5998, 15.1429
YIQ	172.2430, -53.1200, -105.6320

Conversions

Conversions Part 2

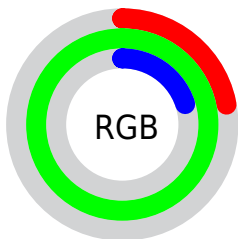
Format	Color
RYB	51, 255, 250
Decimal	3735347
CIELab	88.26, -81.08, 76.13
CIELCh	88, 111.218, 136.801
Yxy	72.5998, 0.3021, 0.5774
Android (android.graphics.Color)	4281925427 (0xFF38FF33)
YUV	172.2430, -59.7728, -101.9451
Hunter-Lab	85.2055, -69.5264, 49.1067

Details

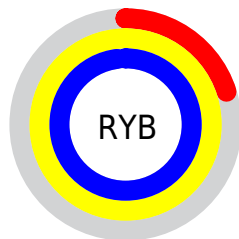
The XYZ color **37.9884, 72.5998, 15.1429** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.6622, 29.9143, 97.2899**, and the grayscale version is **39.6491, 41.7139, 45.4265**.

A 20% lighter version of the original color is **48.9506, 77.9691, 28.3892**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.5098, 71.8856, 12.8998**, and if you desaturate by 10%, it is **40.4650, 73.7928, 19.0414**.

Distribution



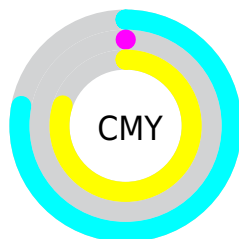
- Red (22%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (98%)



- Cyan (78%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (78%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9884, 72.5998, 15.1429 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 37.9884, 72.5998, 15.1429 by changing the saturation by 10% instead.


 37.9884, 72.5998,
15.1429


 37.9884, 72.5998,
15.1429


328.8519,
469.6266, 235.9000


 26.1509, 53.6488,
8.7720


 71.3944, 122.9089,
35.8495


 17.0698, 38.3209,
4.4980


 93.6935, 155.0358,
51.0223


 10.3799, 26.2319,
1.9023


 120.2106,
192.3234, 69.9662

 5.7157, 16.9972,
0.4942

 151.3109,
235.1562, 93.0996

 2.7120, 10.2325,
0.0000

 187.3598,
283.9185, 120.8412

 1.0034, 5.5534,
0.0000

228.7227,

 0.0000, 2.5755,

338.9948, 153.6094

0.0000

275.7650,
400.7693, 191.8228

■ 0.0000, 0.9143,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9884, 72.5998,
15.1429

■ 37.9884, 72.5998,
15.1429

■ 36.5098, 71.8856,
12.8998

■ 40.4650, 73.7928,
19.0414

■ 35.8382, 71.5603,
11.9239

■ 44.0732, 75.5285,
24.8284

■ 35.8381, 71.5603,
11.9237

■ 48.9266, 77.8613,
32.7032

■ 55.1251, 80.8388,
42.8392

■ 62.7583, 84.5039,
55.3914

■ 71.9080, 88.8958,
70.5014

■ 82.6500, 94.0507,
88.2998

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



55.2287, 72.5998, 5.3563



37.9884, 72.5998, 15.1429



30.1771, 72.5998, 50.0568

Triad

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



37.9884, 72.5998, 15.1429



57.9546, 72.5998, 325.2342



130.5887, 72.5998, 43.7690

Complementary

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



37.9884, 72.5998, 15.1429



58.6622, 29.9143, 97.2899

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.



131.8685, 72.5998, 117.5067



37.9884, 72.5998, 15.1429



84.8981, 72.5998, 319.1419

Square

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



37.9884, 72.5998, 15.1429



39.5390, 72.5998, 241.5117



113.4962, 72.5998, 228.0353



110.3519, 72.5998, 13.0769

Rectangle

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



37.9884, 72.5998, 15.1429



29.6087, 72.5998, 97.7304



113.4962, 72.5998, 228.0353



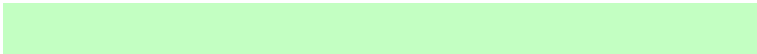
133.4032, 72.5998, 62.9139

Sweetspot

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



37.9886, 72.5998, 15.1440



68.0577, 87.0478, 64.1361



75.4668, 88.7571, 16.2874



13.8789, 18.3014, 12.5915



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.



37.9886, 72.5998, 15.1440



36.0328, 71.6542, 12.2244



42.3300, 74.3058, 39.3893



17.8126, 20.1893, 19.1024



18.7439, 37.4009, 6.2312



1.8388, 3.6487, 0.6074

Inverse Universe

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



58.6622, 29.9143, 97.2899



57.2318, 27.5833, 96.9154



48.7523, 26.1597, 35.6479



18.7461, 18.2764, 22.7896



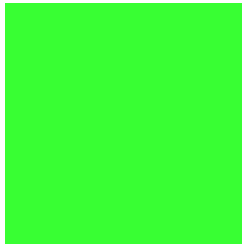
29.8204, 14.2835, 50.6199



2.9169, 1.3976, 4.9293

Previews

White Background



This preview shows how the XYZ color 37.9884, 72.5998, 15.1429 looks on a white background.

Color Contrast Check

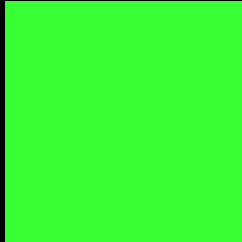
Large Text (above 18pt) WCAG AA × Fail

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 37.9884, 72.5998, 15.1429 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 37.9884, 72.5998, 15.1429

Background



This preview shows how black text looks on a background with the XYZ color 37.9884, 72.5998, 15.1429.

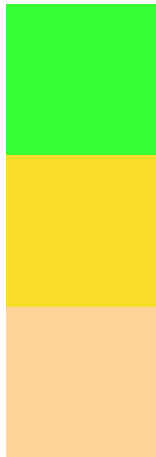


This preview shows how white text looks on a background with the XYZ color 37.9884, 72.5998,

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

37.9884, 72.5998, 15.1429

Protanopia

64.3689, 71.1277, 12.5269

Deuteranopia

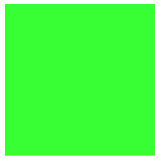
70.2885, 70.5490, 38.7669



Tritanopia

56.7916, 72.1483, 105.5405

Trichromacy



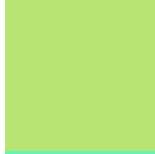
Original Color

37.9884, 72.5998, 15.1429



Protanomaly

47.9727, 67.9323, 13.0664



Deuteranomaly

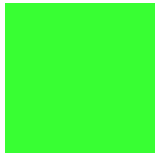
50.3091, 66.7690, 26.1557



Tritanomaly

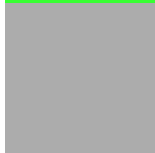
45.9467, 70.7469, 54.9499

Monochromacy



Original Color

37.9884, 72.5998, 15.1429



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.2227, 48.5454, 27.9885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9884, 72.5998, 15.1429 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(56, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(56, 255, 51)  
}
```

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(56, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 37.9884, 72.5998, 15.1429 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(56, 255, 51) }
```


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

```
.border{ border-color:rgb(56, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(56, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9884, 72.5998, 15.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 255, 51) }
```

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

```
.background{ background-color: rgb(56, 255,  
51) }
```

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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