

Converting Colors

XYZ(37.8461, 72.5264, 15.1363)

Have a look what the booklet for
XYZ(37.8461, 72.5264, 15.1363)
contains.

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Color

**XYZ(37.8257, 72.5159,
15.1353)**

Conversions

Conversions Part 1

Format	Color
Hex	35FF33
RGB	53, 255, 51
RGB Percent	21%, 100%, 20%
CMY	0.7922, 0.0000, 0.8000
CMYK	0.79, 0.00, 0.80, 0.00
HSL	119°, 100%, 60%
HSV	119°, 80%, 100%
XYZ	37.8257, 72.5159, 15.1353
YIQ	171.3460, -54.9080, -106.2680

Conversions

Conversions Part 2

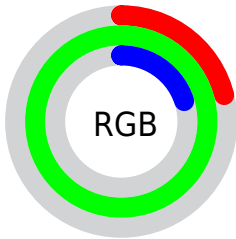
Format	Color
RYB	51, 255, 253
Decimal	3538739
CIELab	88.22, -81.43, 76.08
CIELCh	88, 111.441, 136.945
Yxy	72.5159, 0.3015, 0.5779
Android (android.graphics.Color)	4281728819 (0xFF35FF33)
YUV	171.3460, -59.3306, -103.7894
Hunter-Lab	85.1563, -69.7353, 49.0714

Details

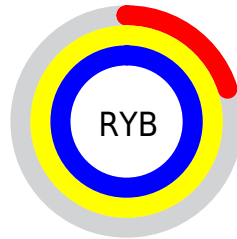
The XYZ color **37.8257, 72.5159, 15.1353** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59.7460, 30.4731, 97.3407**, and the grayscale version is **39.1924, 41.2335, 44.9032**.

A 20% lighter version of the original color is **48.6288, 77.8032, 28.3741**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.4130, 71.8357, 12.8953**, and if you desaturate by 10%, it is **40.2448, 73.6792, 19.0312**.

Distribution



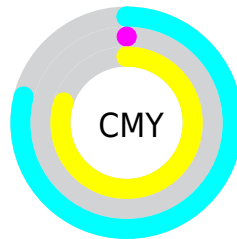
- Red (21%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (99%)



- Cyan (79%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (79%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8257, 72.5159, 15.1353 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 37.8257, 72.5159, 15.1353 by changing the saturation by 10% instead.


 37.8257, 72.5159,
15.1353


 37.8257, 72.5159,
15.1353


328.1655,
469.3353, 235.8526

 26.0240, 53.5802,
8.7667


 71.1465, 122.7897,
35.8360


 16.9744, 38.2662,
4.4946


 93.3964, 154.8966,
51.0052

 10.3114, 26.1893,
1.9004


 119.8597,
192.1628, 69.9451

 5.6698, 16.9653,
0.4930

 150.9018,
234.9725, 93.0741

 2.6841, 10.2098,
0.0000

 186.8881,
283.7102, 120.8108

 0.9890, 5.5383,
0.0000

228.1839,

 0.0000, 2.5664,

338.7603, 153.5738

0.0000

275.1546,
400.5072, 191.7815

0.0000, 0.9098,
0.0000

0.0000, 0.0000,
0.0000

37.8257, 72.5159,
15.1353

37.8257, 72.5159,
15.1353

36.4130, 71.8357,
12.8953

40.2448, 73.6792,
19.0312

35.7913, 71.5361,
11.9217

43.8100, 75.3928,
24.8161

35.7911, 71.5361,
11.9215

48.6399, 77.7135,
32.6899

54.8379, 80.6907,
42.8258

■ 62.4968, 84.3691,
55.3792

■ 71.7013, 88.7892,
70.4918

■ 82.5298, 93.9887,
88.2943

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.



55.0283, 72.5159, 5.3123



37.8257, 72.5159, 15.1353



30.0570, 72.5159, 50.2052

Triad

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



37.8257, 72.5159, 15.1353



57.9745, 72.5159, 325.9488



130.5595, 72.5159, 43.4130

Complementary

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



37.8257, 72.5159, 15.1353



59.7460, 30.4731, 97.3407

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.



131.9443, 72.5159, 117.0074



37.8257, 72.5159, 15.1353



84.9821, 72.5159, 319.3508

Square

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



37.8257, 72.5159, 15.1353



39.5005, 72.5159, 242.3018



113.6119, 72.5159, 227.7114



110.2101, 72.5159, 12.9096

Rectangle

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



37.8257, 72.5159, 15.1353



29.5144, 72.5159, 98.0877



113.6119, 72.5159, 227.7114



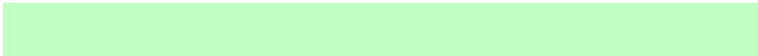
133.4134, 72.5159, 62.4918

Sweetspot

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



37.8259, 72.5160, 15.1364



67.8253, 86.9280, 64.1253



76.5227, 90.8690, 16.6394



13.8251, 18.2737, 12.5890



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.



37.8259, 72.5160, 15.1364



35.9759, 71.6248, 12.2218



42.5990, 74.4134, 40.8057



17.7880, 20.1766, 19.1013



18.7087, 37.3828, 6.2295



1.8271, 3.6427, 0.6068

Inverse Universe

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



59.7460, 30.4731, 97.3407



58.5277, 28.2514, 96.9760



48.4593, 26.0425, 34.1051



18.7742, 18.2908, 22.7909



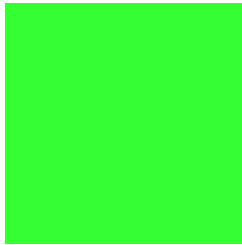
30.5133, 14.6407, 50.6523



2.9764, 1.4283, 4.9321

Previews

White Background



This preview shows how the XYZ color 37.8257, 72.5159, 15.1353 looks on a white background.

Color Contrast Check

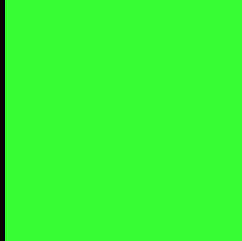
Large Text (above 18pt) WCAG AA × Fail

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 37.8257, 72.5159, 15.1353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

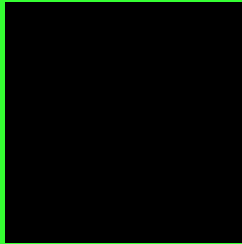
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

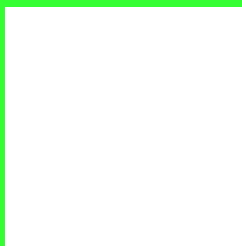
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8257, 72.5159, 15.1353

Background



This preview shows how black text looks on a background with the XYZ color 37.8257, 72.5159, 15.1353.



This preview shows how white text looks on a background with the XYZ color 37.8257, 72.5159,

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

37.8257, 72.5159, 15.1353

Protanopia

64.3689, 71.1277, 12.5269

Deuteranopia

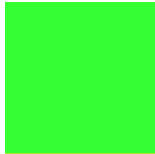
70.2083, 70.5169, 38.3445



Tritanopia

56.5026, 71.9993, 105.5270

Trichromacy



Original Color

37.8257, 72.5159, 15.1353



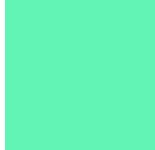
Protanomaly

47.5171, 67.6974, 13.0451



Deuteranomaly

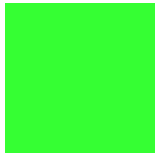
50.0154, 66.6241, 25.8464



Tritanomaly

45.7282, 70.6342, 54.9397

Monochromacy



Original Color

37.8257, 72.5159, 15.1353



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.8534, 48.3626, 27.6293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8257, 72.5159, 15.1353 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(53, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(53, 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(53, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 37.8257, 72.5159, 15.1353 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(53, 255, 51) }
```


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

```
.border{ border-color:rgb(53, 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(53, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(53, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8257, 72.5159, 15.1353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 255, 51) }
```

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

```
.background{ background-color: rgb(53, 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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