

Converting Colors

XYZ(39.0739, 73.1594, 15.1918)

Have a look what the booklet for
XYZ(39.0739, 73.1594, 15.1918)
contains.

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Color

**XYZ(39.1052, 73.1755,
15.1952)**

Conversions

Conversions Part 1

Format	Color
Hex	49FF33
RGB	73, 255, 51
RGB Percent	29%, 100%, 20%
CMY	0.7137, 0.0000, 0.8000
CMYK	0.71, 0.00, 0.80, 0.00
HSL	114°, 100%, 60%
HSV	114°, 80%, 100%
XYZ	39.1052, 73.1755, 15.1952
YIQ	177.3260, -42.9880, -102.0280

Conversions

Conversions Part 2

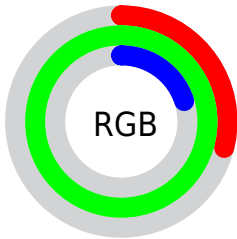
Format	Color
RYB	51, 255, 233
Decimal	4849459
CIELab	88.53, -78.69, 76.49
CIELCh	89, 109.735, 135.812
Yxy	73.1755, 0.3068, 0.5740
Android (android.graphics.Color)	4283039539 (0xFF49FF33)
YUV	177.3260, -62.2787, -91.4939
Hunter-Lab	85.5427, -68.0997, 49.3480

Details

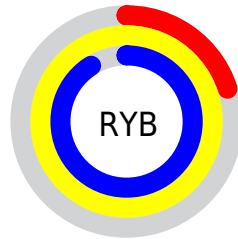
The XYZ color **39.1052, 73.1755, 15.1952** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **52.8417, 26.9138, 97.0176**, and the grayscale version is **42.2958, 44.4985, 48.4588**.

A 20% lighter version of the original color is **50.6513, 78.8459, 28.4688**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.2687, 72.2769, 12.9354**, and if you desaturate by 10%, it is **41.8800, 74.5222, 19.1077**.

Distribution



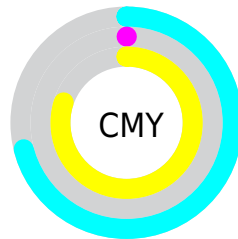
- Red (29%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (91%)



- Cyan (71%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1052, 73.1755, 15.1952 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 39.1052, 73.1755, 15.1952 by changing the saturation by 10% instead.


 39.1052, 73.1755,
15.1952


 39.1052, 73.1755,
15.1952


333.5370,
471.6228, 236.2260


 27.0227, 54.1195,
8.8084


 73.0920, 123.7263,
35.9424


 17.7269, 38.6972,
4.5213


 95.7271, 155.9899,
51.1398


 10.8526, 26.5242,
1.9155


 122.6103,
193.4248, 70.1112

 6.0344, 17.2162,
0.5025

 154.1071,
236.4154, 93.2750

 2.9069, 10.3888,
0.0000

 190.5828,
285.3461, 121.0499

 1.1047, 5.6575,
0.0000

232.4028,

 0.0290, 2.6380,

340.6014, 153.8543

0.0000

279.9324,
402.5655, 192.1069

■ 0.0000, 0.9458,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.1052, 73.1755,
15.1952

■ 39.1052, 73.1755,
15.1952

■ 37.2687, 72.2769,
12.9354

■ 41.8800, 74.5222,
19.1077

■ 36.2253, 71.7599,
11.9421

■ 45.6984, 76.3663,
24.9046

■ 36.2250, 71.7597,
11.9418

■ 50.6517, 78.7506,
32.7841

■ 56.8213, 81.7132,
42.9187

■ 64.2809, 85.2889,
55.4628

■ 73.0983, 89.5094,
70.5573

■ 83.3366, 94.4046,
88.3322

■ 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.



56.6026, 73.1755, 5.6604



39.1052, 73.1755, 15.1952



31.0012, 73.1755, 49.0632

Triad

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



39.1052, 73.1755, 15.1952



57.8245, 73.1755, 320.4535



130.7982, 73.1755, 46.2342

Complementary

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



39.1052, 73.1755, 15.1952



52.8417, 26.9138, 97.0176

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.



131.3672, 73.1755, 120.9349



39.1052, 73.1755, 15.1952



84.3375, 73.1755, 317.7598

Square

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



39.1052, 73.1755, 15.1952



39.8034, 73.1755, 236.2290



112.7245, 73.1755, 230.2578



111.3245, 73.1755, 14.2488

Rectangle

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



39.1052, 73.1755, 15.1952



30.2552, 73.1755, 95.3418



112.7245, 73.1755, 230.2578



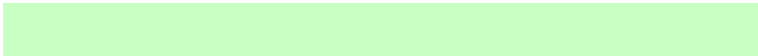
133.3463, 73.1755, 65.8272

Sweetspot

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



39.1054, 73.1756, 15.1963



69.4008, 87.7402, 64.1990



70.4700, 78.7636, 14.6218



14.1907, 18.4622, 12.6061



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.



39.1054, 73.1756, 15.1963



36.5642, 71.9281, 12.2493



41.1019, 73.8145, 32.9221



17.9533, 20.2618, 19.1090



18.9866, 37.5260, 6.2426



1.9054, 3.6830, 0.6105

Inverse Universe

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



52.8417, 26.9138, 97.0176



50.3497, 24.0354, 96.5933



50.3405, 26.7950, 44.0112



18.5884, 18.1951, 22.7822



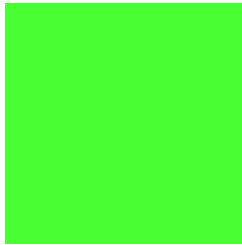
26.1463, 12.3894, 50.4479



2.5987, 1.2336, 4.9144

Previews

White Background



This preview shows how the XYZ color 39.1052, 73.1755, 15.1952 looks on a white background.

Color Contrast Check

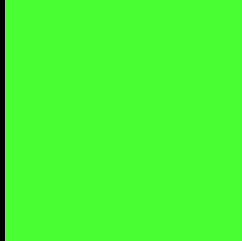
Large Text (above 18pt) WCAG AA × Fail

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 39.1052, 73.1755, 15.1952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

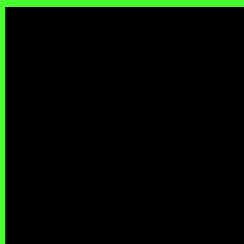
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.1052, 73.1755, 15.1952

Background



This preview shows how black text looks on a background with the XYZ color 39.1052, 73.1755, 15.1952.

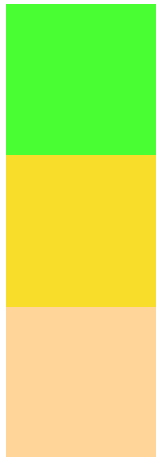


This preview shows how white text looks on a background with the XYZ color 39.1052, 73.1755,

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

39.1052, 73.1755, 15.1952

Protanopia

64.9858, 71.8365, 12.6312

Deuteranopia

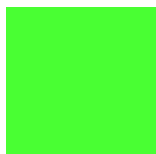
70.7840, 71.1484, 40.1393



Tritanopia

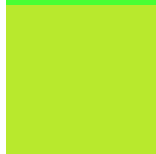
57.8499, 72.6939, 105.5901

Trichromacy



Original Color

39.1052, 73.1755, 15.1952



Protanomaly

49.3797, 68.6576, 13.1323



Deuteranomaly

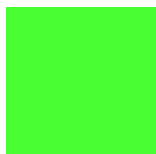
51.8821, 67.5666, 26.8302



Tritanomaly

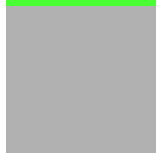
47.2467, 71.4171, 55.0108

Monochromacy



Original Color

39.1052, 73.1755, 15.1952



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

36.5755, 50.7903, 29.3485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1052, 73.1755, 15.1952 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(73, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(73, 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(73, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 39.1052, 73.1755, 15.1952 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(73, 255, 51) }
```


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

```
.border{ border-color:rgb(73, 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(73, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1052, 73.1755, 15.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 51) }
```

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

```
.background{ background-color: rgb(73, 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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