

Converting Colors

XYZ(39.0074, 73.1251, 15.1906)

Have a look what the booklet for
XYZ(39.0074, 73.1251, 15.1906)
contains.

XYZ(39.0300, 73.1367, 15.1917)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.0300, 73.1367,
15.1917)**

Conversions

Conversions Part 1

Format	Color
Hex	48FF33
RGB	72, 255, 51
RGB Percent	28%, 100%, 20%
CMY	0.7176, 0.0000, 0.8000
CMYK	0.72, 0.00, 0.80, 0.00
HSL	114°, 100%, 60%
HSV	114°, 80%, 100%
XYZ	39.0300, 73.1367, 15.1917
YIQ	177.0270, -43.5840, -102.2400

Conversions

Conversions Part 2

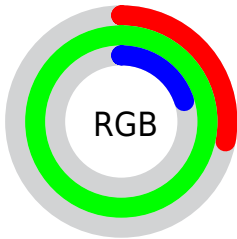
Format	Color
RYB	51, 255, 234
Decimal	4783923
CIELab	88.51, -78.85, 76.46
CIELCh	89, 109.833, 135.879
Yxy	73.1367, 0.3065, 0.5743
Android (android.graphics.Color)	4282974003 (0xFF48FF33)
YUV	177.0270, -62.1313, -92.1087
Hunter-Lab	85.5200, -68.1954, 49.3318

Details

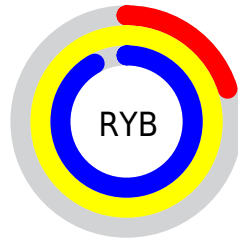
The XYZ color **39.0300, 73.1367, 15.1917** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **53.1693, 27.0827, 97.0329**, and the grayscale version is **42.1373, 44.3318, 48.2773**.

A 20% lighter version of the original color is **50.4743, 78.7546, 28.4605**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.2136, 72.2485, 12.9328**, and if you desaturate by 10%, it is **41.7888, 74.4752, 19.1035**.

Distribution



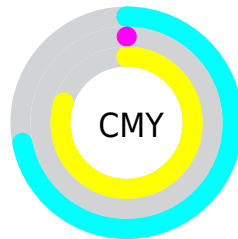
- Red (28%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (92%)



- Cyan (72%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.0300, 73.1367, 15.1917 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 39.0300, 73.1367, 15.1917 by changing the saturation by 10% instead.


 39.0300, 73.1367,
15.1917


 39.0300, 73.1367,
15.1917


333.2230,
471.4885, 236.2042

 26.9639, 54.0877,
8.8059


 72.9779, 123.6713,
35.9362


 17.6826, 38.6718,
4.5197


 95.5905, 155.9256,
51.1320


 10.8206, 26.5045,
1.9146


 122.4492,
193.3506, 70.1015

 6.0127, 17.2015,
0.5020

 153.9194,
236.3306, 93.2633

 2.8936, 10.3782,
0.0000

 190.3666,
285.2500, 121.0359

 1.0977, 5.6504,
0.0000

232.1560,

 0.0232, 2.6337,

340.4932, 153.8379

0.0000

279.6530,
402.4445, 192.0879

■ 0.0000, 0.9436,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.0300, 73.1367,
15.1917

■ 39.0300, 73.1367,
15.1917

■ 37.2136, 72.2485,
12.9328

■ 41.7888, 74.4752,
19.1035

■ 36.1924, 71.7429,
11.9405

■ 45.5964, 76.3137,
24.8998

■ 36.1921, 71.7428,
11.9402

■ 50.5455, 78.6958,
32.7792

■ 56.7184, 81.6601,
42.9140

■ 64.1895, 85.2417,
55.4587

■ 73.0275, 89.4729,
70.5541

■ 83.2961, 94.3837,
88.3304

■ 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.



56.5102, 73.1367, 5.6398



39.0300, 73.1367, 15.1917



30.9457, 73.1367, 49.1287

Triad

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



39.0300, 73.1367, 15.1917



57.8329, 73.1367, 320.7681



130.7835, 73.1367, 46.0671

Complementary

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



39.0300, 73.1367, 15.1917



53.1693, 27.0827, 97.0329

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.



131.3998, 73.1367, 120.7038



39.0300, 73.1367, 15.1917



84.3743, 73.1367, 317.8495

Square

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



39.0300, 73.1367, 15.1917



39.7856, 73.1367, 236.5768



112.7751, 73.1367, 230.1078



111.2589, 73.1367, 14.1686

Rectangle

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



39.0300, 73.1367, 15.1917



30.2118, 73.1367, 95.4992



112.7751, 73.1367, 230.1078



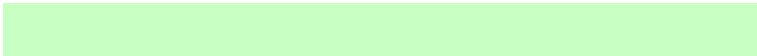
133.3493, 73.1367, 65.6301

Sweetspot

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



39.0302, 73.1368, 15.1929



69.3205, 87.6988, 64.1952



70.4700, 78.7636, 14.6219



14.1720, 18.4525, 12.6052



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.



39.0302, 73.1368, 15.1929



36.5223, 71.9065, 12.2473



41.1019, 73.8145, 32.9222



17.9449, 20.2575, 19.1086



18.9674, 37.5161, 6.2417



1.9014, 3.6810, 0.6103

Inverse Universe

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



53.1693, 27.0827, 97.0329



50.7332, 24.2332, 96.6113



50.3405, 26.7950, 44.0113



18.5977, 18.1998, 22.7827



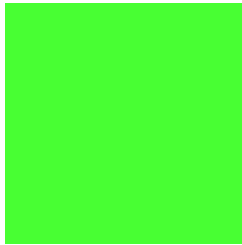
26.3508, 12.4948, 50.4575



2.6165, 1.2428, 4.9152

Previews

White Background



This preview shows how the XYZ color 39.0300, 73.1367, 15.1917 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 39.0300, 73.1367, 15.1917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

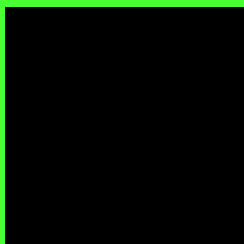
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0300, 73.1367, 15.1917

Background



This preview shows how black text looks on a background with the XYZ color 39.0300, 73.1367, 15.1917.

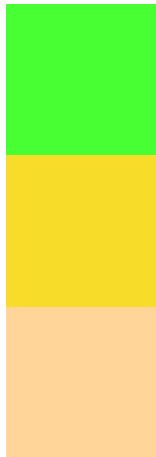


This preview shows how white text looks on a background with the XYZ color 39.0300, 73.1367,

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

39.0300, 73.1367, 15.1917

Protanopia

64.7225, 71.3100, 12.5435

Deuteranopia

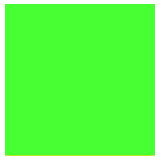
70.7840, 71.1484, 40.1393



Tritanopia

57.6943, 72.6137, 105.5828

Trichromacy



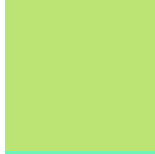
Original Color

39.0300, 73.1367, 15.1917



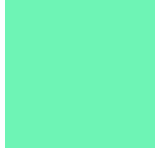
Protanomaly

49.3797, 68.6576, 13.1323



Deuteranomaly

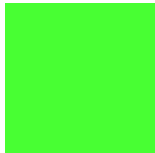
51.6348, 67.4391, 26.8186



Tritanomaly

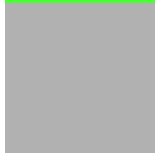
47.1216, 71.3526, 55.0049

Monochromacy



Original Color

39.0300, 73.1367, 15.1917



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 39.0300, 73.1367, 15.1917 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(72, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(72, 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(72, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 39.0300, 73.1367, 15.1917 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(72, 255, 51) }
```


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

```
.border{ border-color:rgb(72, 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(72, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0300, 73.1367, 15.1917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 51) }
```

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

```
.background{ background-color: rgb(72, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor