

Converting Colors

XYZ(39.8708, 73.5701, 15.2310)

Have a look what the booklet for
XYZ(39.8708, 73.5701, 15.2310)
contains.

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Color

**XYZ(39.8372, 73.5529,
15.2295)**

Conversions

Conversions Part 1

Format	Color
Hex	52FF33
RGB	82, 255, 51
RGB Percent	32%, 100%, 20%
CMY	0.6784, 0.0000, 0.8000
CMYK	0.68, 0.00, 0.80, 0.00
HSL	111°, 100%, 60%
HSV	111°, 80%, 100%
XYZ	39.8372, 73.5529, 15.2295
YIQ	180.0170, -37.6240, -100.1200

Conversions

Conversions Part 2

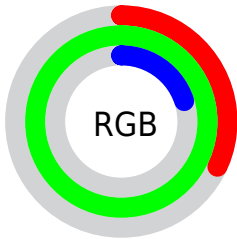
Format	Color
R_{YB}	51, 255, 224
Decimal	5439283
CIE _{Lab}	88.71, -77.15, 76.72
CIE _{LCh}	89, 108.804, 135.162
Yxy	73.5529, 0.3097, 0.5719
Android (android.graphics.Color)	4283629363 (0xFF52FF33)
YUV	180.0170, -63.6054, -85.9609
Hunter-Lab	85.7630, -67.1714, 49.5056

Details

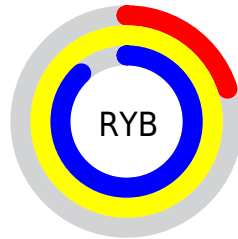
The XYZ color **39.8372, 73.5529, 15.2295** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **49.9781, 25.4376, 96.8835**, and the grayscale version is **43.7374, 46.0151, 50.1105**.

A 20% lighter version of the original color is **51.7462, 79.4103, 28.5200**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.8271, 72.5647, 12.9615**, and if you desaturate by 10%, it is **42.7479, 74.9696, 19.1484**.

Distribution



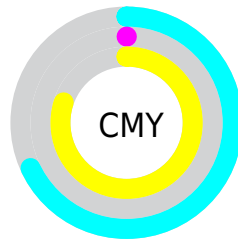
- Red (32%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (88%)



- Cyan (68%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (68%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8372, 73.5529, 15.2295 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 39.8372, 73.5529, 15.2295 by changing the saturation by 10% instead.


 39.8372, 73.5529,
15.2295


 39.8372, 73.5529,
15.2295


336.5831,
472.9288, 236.4396


 27.5953, 54.4282,
8.8322


 74.2015, 124.2618,
36.0033

 18.1597, 38.9441,
4.5366


 97.0545, 156.6148,
51.2168


 11.1651, 26.7162,
1.9241


 124.1753,
194.1460, 70.2062

 6.2461, 17.3602,
0.5080

 155.9292,
237.2398, 93.3900

 3.0374, 10.4917,
0.0000

 192.6816,
286.2805, 121.1867

 1.1736, 5.7261,
0.0000

234.7978,

 0.0853, 2.6793,

341.6527, 154.0148

0.0000

282.6432,
403.7407, 192.2929

■ 0.0000, 0.9667,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8372, 73.5529,
15.2295

■ 39.8372, 73.5529,
15.2295

■ 37.8271, 72.5647,
12.9615

■ 42.7479, 74.9696,
19.1484

■ 36.5872, 71.9464,
11.9590

■ 46.6530, 76.8585,
24.9493

■ 36.5868, 71.9462,
11.9587

■ 51.6348, 79.2574,
32.8302

■ 57.7666, 82.2005,
42.9631

■ 65.1149, 85.7188,
55.5020

■ 73.7415, 89.8410,
70.5876

■ 83.7035, 94.5938,
88.3496

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.



57.5020, 73.5529, 5.8619



39.8372, 73.5529, 15.2295



31.5406, 73.5529, 48.4348

Triad

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



39.8372, 73.5529, 15.2295



57.7454, 73.5529, 317.4359



130.9445, 73.5529, 47.8701

Complementary

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



39.8372, 73.5529, 15.2295



49.9781, 25.4376, 96.8835

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.



131.0572, 73.5529, 123.1838



39.8372, 73.5529, 15.2295



83.9853, 73.5529, 316.9042

Square

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



39.8372, 73.5529, 15.2295



39.9766, 73.5529, 232.8959



112.2399, 73.5529, 231.7155



111.9623, 73.5529, 15.0384

Rectangle

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



39.8372, 73.5529, 15.2295



30.6776, 73.5529, 93.8347



112.2399, 73.5529, 231.7155



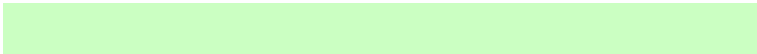
133.3215, 73.5529, 67.7516

Sweetspot

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



39.8374, 73.5529, 15.2306



70.1302, 88.1162, 64.2331



67.6947, 73.2129, 13.6968



14.3608, 18.5499, 12.6140



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.



39.8374, 73.5529, 15.2306



37.0062, 72.1560, 12.2700



40.4559, 73.5561, 29.5204



18.0284, 20.3005, 19.1125



19.1936, 37.6327, 6.2522



1.9406, 3.7012, 0.6121

Inverse Universe

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



49.9781, 25.4376, 96.8835



47.0177, 22.3178, 96.4374



51.3943, 27.2165, 49.5602



18.5056, 18.1524, 22.7784



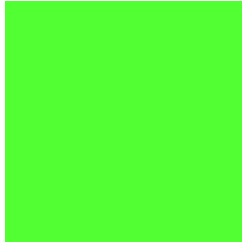
24.3717, 11.4746, 50.3649



2.4431, 1.1534, 4.9071

Previews

White Background



This preview shows how the XYZ color 39.8372, 73.5529, 15.2295 looks on a white background.

Color Contrast Check

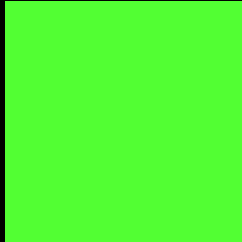
Large Text (above 18pt) WCAG AA × Fail

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 39.8372, 73.5529, 15.2295 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 39.8372, 73.5529, 15.2295

Background



This preview shows how black text looks on a background with the XYZ color 39.8372, 73.5529, 15.2295.



This preview shows how white text looks on a background with the XYZ color 39.8372, 73.5529,

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

39.8372, 73.5529, 15.2295

Protanopia

64.9858, 71.8365, 12.6312

Deuteranopia

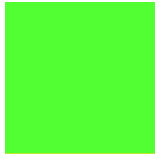
71.2030, 71.7197, 41.1008



Tritanopia

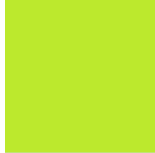
58.4875, 73.0226, 105.6199

Trichromacy



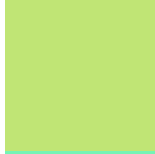
Original Color

39.8372, 73.5529, 15.2295



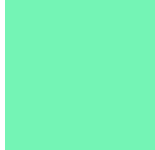
Protanomaly

50.3516, 69.1587, 13.1778



Deuteranomaly

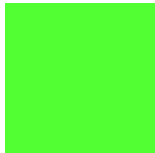
52.9684, 68.5294, 27.2654



Tritanomaly

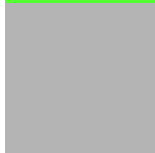
47.8936, 71.7506, 55.0410

Monochromacy



Original Color

39.8372, 73.5529, 15.2295



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.0481, 52.2484, 30.2699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8372, 73.5529, 15.2295 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(82, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 39.8372, 73.5529, 15.2295 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(82, 255, 51) }
```


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

```
.border{ border-color:rgb(82, 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(82, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8372, 73.5529, 15.2295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 51) }
```

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

```
.background{ background-color: rgb(82, 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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