

Converting Colors

XYZ(39.9634, 73.6112, 15.5370)

Have a look what the booklet for
XYZ(39.9634, 73.6112, 15.5370)
contains.

XYZ(39.9931, 73.6253, 15.5933)	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(39.9931, 73.6253,
15.5933)**

Conversions

Conversions Part 1

Format	Color
Hex	53FF36
RGB	83, 255, 54
RGB Percent	33%, 100%, 21%
CMY	0.6745, 0.0000, 0.7882
CMYK	0.67, 0.00, 0.79, 0.00
HSL	111°, 100%, 61%
HSV	111°, 79%, 100%
XYZ	39.9931, 73.6253, 15.5933
YIQ	180.6580, -37.9910, -98.9750

Conversions

Conversions Part 2

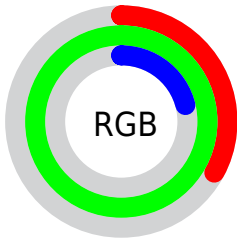
Format	Color
RYB	54, 255, 226
Decimal	5504822
CIELab	88.75, -76.81, 75.96
CIELCh	89, 108.028, 135.322
Yxy	73.6253, 0.3095, 0.5698
Android (android.graphics.Color)	4283694902 (0xFF53FF36)
YUV	180.6580, -62.4424, -85.6461
Hunter-Lab	85.8052, -66.9617, 49.2889

Details

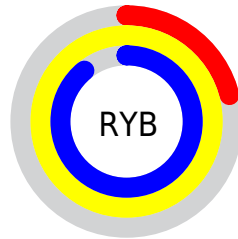
The XYZ color **39.9931, 73.6253, 15.5933** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **50.7366, 26.0295, 96.9578**, and the grayscale version is **44.0779, 46.3733, 50.5006**.

A 20% lighter version of the original color is **52.0493, 79.5533, 29.1350**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.9112, 72.6041, 13.1467**, and if you desaturate by 10%, it is **42.9947, 75.0844, 19.7214**.

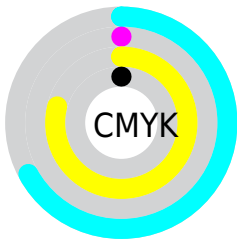
Distribution



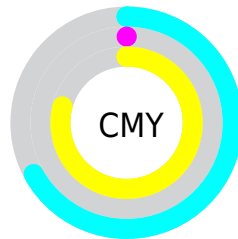
- Red (33%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (89%)



- Cyan (67%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9931, 73.6253, 15.5933 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 39.9931, 73.6253, 15.5933 by changing the saturation by 10% instead.


 39.9931, 73.6253,
15.5933


 39.9931, 73.6253,
15.5933


337.2294,
473.1791, 238.6930

 27.7174, 54.4874,
9.0856


 74.4374, 124.3645,
36.6476


 18.2521, 38.9915,
4.6995


 97.3367, 156.7346,
52.0313


 11.2319, 26.7531,
2.0164


 124.5079,
194.2842, 71.2107

 6.2915, 17.3879,
0.5653

 156.3163,
237.3978, 94.6044

 3.0654, 10.5114,
0.0000

 193.1273,
286.4597, 122.6310

 1.1885, 5.7393,
0.0000

235.3062,

 0.0972, 2.6872,

341.8543, 155.7089

0.0000

283.2185,
403.9659, 194.2567

0.0000, 0.9707,
0.0000

0.0000, 0.0000,
0.0000

39.9931, 73.6253,
15.5933

39.9931, 73.6253,
15.5933

37.9112, 72.6041,
13.1467

42.9947, 75.0844,
19.7214

36.6267, 71.9649,
12.0466

47.0097, 77.0248,
25.7568

36.5151, 71.9093,
11.9553

52.1207, 79.4848,
33.8939

58.4014, 82.4988,
44.3025

■ 65.9188, 86.0979,
57.1349

■ 74.7352, 90.3113,
72.5304

■ 84.9082, 95.1659,
90.6176

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.



57.5271, 73.6253, 6.0711



39.9931, 73.6253, 15.5933



31.7660, 73.6253, 48.9587

Triad

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



39.9931, 73.6253, 15.5933



58.0065, 73.6253, 315.3898



130.4644, 73.6253, 47.8443

Complementary

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



39.9931, 73.6253, 15.5933



50.7366, 26.0295, 96.9578

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.



130.6856, 73.6253, 122.4227



39.9931, 73.6253, 15.5933



84.1085, 73.6253, 314.3491

Square

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



39.9931, 73.6253, 15.5933



40.2684, 73.6253, 232.1370



112.1180, 73.6253, 229.8245



111.5729, 73.6253, 15.2130

Rectangle

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



39.9931, 73.6253, 15.5933



30.9330, 73.6253, 94.2618



112.1180, 73.6253, 229.8245



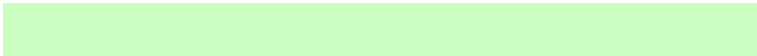
132.8553, 73.6253, 67.5495

Sweetspot

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



39.9933, 73.6254, 15.5945



70.0024, 88.0503, 64.2271



68.7911, 75.2966, 14.3992



14.3310, 18.5345, 12.6126



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.



39.9933, 73.6254, 15.5945



37.0355, 72.1693, 12.3505



40.9425, 73.7688, 31.2680



18.0153, 20.2938, 19.1119



19.1530, 37.6118, 6.2503



1.9344, 3.6980, 0.6118

Inverse Universe

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



50.7366, 26.0295, 96.9578



47.7236, 22.7263, 96.4790



51.2800, 27.3874, 48.2908



18.5200, 18.1598, 22.7790



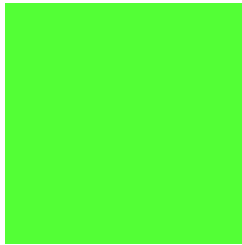
24.6722, 11.6295, 50.3789



2.4696, 1.1670, 4.9084

Previews

White Background



This preview shows how the XYZ color 39.9931, 73.6253, 15.5933 looks on a white background.

Color Contrast Check

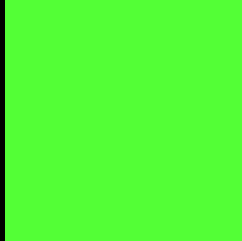
Large Text (above 18pt) WCAG AA × Fail

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 39.9931, 73.6253, 15.5933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

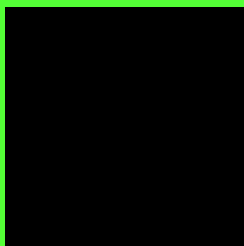
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9931, 73.6253, 15.5933

Background



This preview shows how black text looks on a background with the XYZ color 39.9931, 73.6253, 15.5933.



This preview shows how white text looks on a background with the XYZ color 39.9931, 73.6253,

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

39.9931, 73.6253, 15.5933

Protanopia

65.0415, 71.8588, 12.9247

Deuteranopia

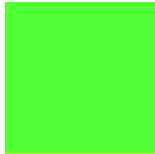
71.2873, 71.7534, 41.5450



Tritanopia

58.6507, 73.1067, 105.6275

Trichromacy



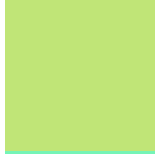
Original Color

39.9931, 73.6253, 15.5933



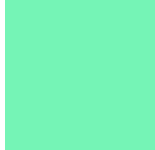
Protanomaly

50.4115, 69.1826, 13.4929



Deuteranomaly

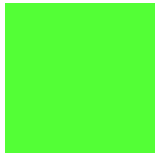
53.0873, 68.5770, 27.8915



Tritanomaly

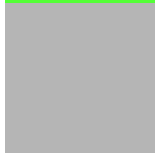
48.1303, 71.8607, 55.5897

Monochromacy



Original Color

39.9931, 73.6253, 15.5933



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

38.6061, 52.8808, 31.0939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9931, 73.6253, 15.5933 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(83, 255, 54)` looks like.

```
.text, #text, p{  
    color:rgb(83, 255, 54)  
}
```

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(83, 255, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 54) }
```

Border

The CSS property to change the border of an element to XYZ 39.9931, 73.6253, 15.5933 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(83, 255, 54) }
```


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

```
.border{ border-color:rgb(83, 255, 54) }
```

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

Here you see how a box with a 4 pixel rgb(83, 255, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 54);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
54) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9931, 73.6253, 15.5933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 54) }
```

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

```
.background{ background-color: rgb(83, 255,  
54) }
```

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