

Converting Colors

XYZ(39.9248, 73.5980, 15.2336)

Have a look what the booklet for
XYZ(39.9248, 73.5980, 15.2336)
contains.

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Color

**XYZ(39.9248, 73.5980,
15.2336)**

Conversions

Conversions Part 1

Format	Color
Hex	53FF33
RGB	83, 255, 51
RGB Percent	33%, 100%, 20%
CMY	0.6745, 0.0000, 0.8000
CMYK	0.67, 0.00, 0.80, 0.00
HSL	111°, 100%, 60%
HSV	111°, 80%, 100%
XYZ	39.9248, 73.5980, 15.2336
YIQ	180.3160, -37.0280, -99.9080

Conversions

Conversions Part 2

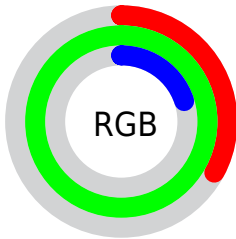
Format	Color
RYB	51, 255, 223
Decimal	5504819
CIELab	88.73, -76.97, 76.75
CIELCh	89, 108.695, 135.084
Yxy	73.5980, 0.3101, 0.5716
Android (android.graphics.Color)	4283694899 (0xFF53FF33)
YUV	180.3160, -63.7528, -85.3461
Hunter-Lab	85.7893, -67.0605, 49.5244

Details

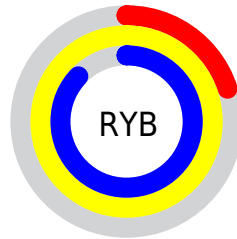
The XYZ color **39.9248, 73.5980, 15.2336** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **49.6690, 25.2782, 96.8691**, and the grayscale version is **43.8994, 46.1856, 50.2961**.

A 20% lighter version of the original color is **51.9341, 79.5072, 28.5288**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.8963, 72.6004, 12.9648**, and if you desaturate by 10%, it is **42.8496, 75.0220, 19.1532**.

Distribution



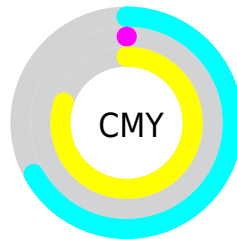
- Red (33%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (87%)



- Cyan (67%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9248, 73.5980, 15.2336 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 39.9248, 73.5980, 15.2336 by changing the saturation by 10% instead.


 39.9248, 73.5980,
15.2336


 39.9248, 73.5980,
15.2336


336.9464,
473.0848, 236.4651


 27.6639, 54.4651,
8.8351


 74.3341, 124.3258,
36.0105


 18.2116, 38.9736,
4.5384


 97.2131, 156.6894,
51.2260


 11.2026, 26.7392,
1.9251


 124.3622,
194.2321, 70.2176

 6.2716, 17.3774,
0.5086

 156.1467,
237.3382, 93.4037

 3.0531, 10.5040,
0.0000

 192.9321,
286.3921, 121.2030

 1.1819, 5.7344,
0.0000

235.0836,

 0.0920, 2.6842,

341.7783, 154.0340

0.0000

282.9665,
403.8810, 192.3152

0.0000, 0.9692,
0.0000

0.0000, 0.0000,
0.0000

39.9248, 73.5980,
15.2336

39.9248, 73.5980,
15.2336

37.8963, 72.6004,
12.9648

42.8496, 75.0220,
19.1532

36.6350, 71.9711,
11.9612

46.7633, 76.9153,
24.9545

36.6346, 71.9709,
11.9609

51.7472, 79.3153,
32.8355

57.8737, 82.2557,
42.9681

■ 65.2089, 85.7672,
55.5065

■ 73.8136, 89.8781,
70.5910

■ 83.7445, 94.6149,
88.3516

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.



57.6096, 73.5980, 5.8861



39.9248, 73.5980, 15.2336



31.6052, 73.5980, 48.3607

Triad

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



39.9248, 73.5980, 15.2336



57.7361, 73.5980, 317.0801



130.9622, 73.5980, 48.0669

Complementary

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



39.9248, 73.5980, 15.2336



49.6690, 25.2782, 96.8691

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.



131.0208, 73.5980, 123.4530



39.9248, 73.5980, 15.2336



83.9438, 73.5980, 316.8038

Square

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



39.9248, 73.5980, 15.2336



39.9973, 73.5980, 232.5031



112.1828, 73.5980, 231.8898



112.0385, 73.5980, 15.1340

Rectangle

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



39.9248, 73.5980, 15.2336



30.7280, 73.5980, 93.6571



112.1828, 73.5980, 231.8898



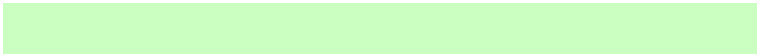
133.3189, 73.5980, 67.9827

Sweetspot

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



39.9250, 73.5981, 15.2347



70.2121, 88.1584, 64.2370



67.6947, 73.2129, 13.6968



14.3800, 18.5598, 12.6149



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.



39.9250, 73.5981, 15.2347



37.0628, 72.1852, 12.2726



40.4559, 73.5561, 29.5204



18.0367, 20.3049, 19.1129



19.2205, 37.6466, 6.2535



1.9445, 3.7032, 0.6123

Inverse Universe

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



49.6690, 25.2782, 96.8691



46.6604, 22.1336, 96.4207



51.3943, 27.2166, 49.5602



18.4964, 18.1476, 22.7779



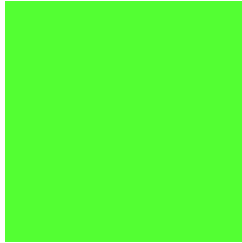
24.1816, 11.3765, 50.3560



2.4264, 1.1448, 4.9063

Previews

White Background



This preview shows how the XYZ color 39.9248, 73.5980, 15.2336 looks on a white background.

Color Contrast Check

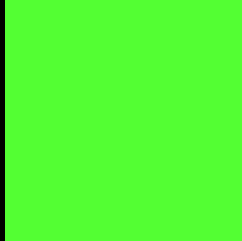
Large Text (above 18pt) WCAG AA × Fail

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 39.9248, 73.5980, 15.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

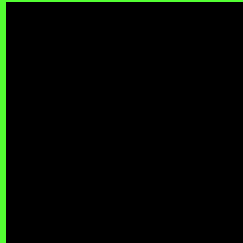
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9248, 73.5980, 15.2336

Background



This preview shows how black text looks on a background with the XYZ color 39.9248, 73.5980, 15.2336.

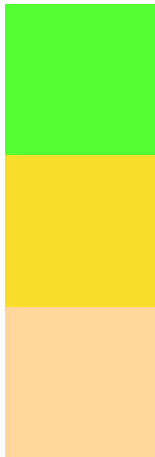


This preview shows how white text looks on a background with the XYZ color 39.9248, 73.5980,

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

39.9248, 73.5980, 15.2336

Protanopia

64.9858, 71.8365, 12.6312

Deuteranopia

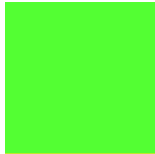
71.2030, 71.7197, 41.1008



Tritanopia

58.6507, 73.1067, 105.6275

Trichromacy



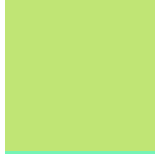
Original Color

39.9248, 73.5980, 15.2336



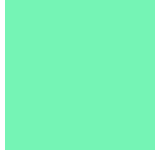
Protanomaly

50.3516, 69.1587, 13.1778



Deuteranomaly

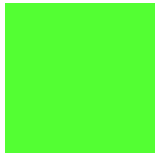
52.9684, 68.5294, 27.2654



Tritanomaly

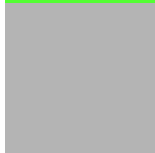
48.0273, 71.8195, 55.0473

Monochromacy



Original Color

39.9248, 73.5980, 15.2336



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

38.2235, 52.3388, 30.2781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9248, 73.5980, 15.2336 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 39.9248, 73.5980, 15.2336 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, 51) }
```


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

```
.border{ border-color:rgb(83, 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(83, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9248, 73.5980, 15.2336 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, 51) }
```

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

```
.background{ background-color: rgb(83, 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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