

Converting Colors

XYZ(39.4985, 73.3237, 17.6775)

Have a look what the booklet for
XYZ(39.4985, 73.3237, 17.6775)
contains.

| | |
|--|----|
| XYZ(39.5067, 73.3274, 17.7016) | 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(39.5067, 73.3274,
17.7016)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 48FF45 |
| RGB | 72, 255, 69 |
| RGB Percent | 28%, 100%, 27% |
| CMY | 0.7176, 0.0000, 0.7294 |
| CMYK | 0.72, 0.00, 0.73, 0.00 |
| HSL | 119°, 100%, 64% |
| HSV | 119°, 73%, 100% |
| XYZ | 39.5067, 73.3274, 17.7016 |
| YIQ | 179.0790, -49.3620, -96.6420 |

Conversions

Conversions Part 2

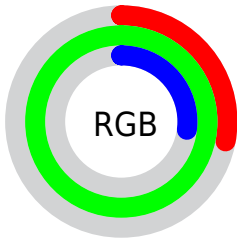
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 69, 255, 252 |
| Decimal | 4783941 |
| CIELab | 88.60, -77.73, 71.20 |
| CIELCh | 89, 105.407, 137.513 |
| Yxy | 73.3274, 0.3027, 0.5617 |
| Android (android.graphics.Color) | 4282974021 (0xFF48FF45) |
| YUV | 179.0790, -54.2689, -93.9083 |
| Hunter-Lab | 85.6314, -67.5027, 47.6857 |

Details

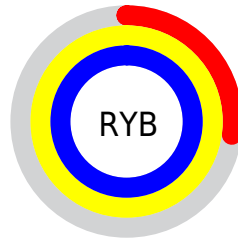
The XYZ color **39.5067, 73.3274, 17.7016** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **60.3256, 32.1737, 97.6384**, and the grayscale version is **43.1895, 45.4387, 49.4828**.

A 20% lighter version of the original color is **51.3333, 79.0983, 32.9840**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **37.3736, 72.3004, 14.3202**, and if you desaturate by 10%, it is **42.7426, 74.8836, 22.9106**.

Distribution



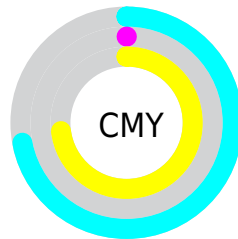
- Red (28%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (99%)



- Cyan (72%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)





- Cyan (72%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5067, 73.3274, 17.7016 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 39.5067, 73.3274, 17.7016 by changing the saturation by 10% instead.


 39.5067, 73.3274,
17.7016


 39.5067, 73.3274,
17.7016


335.2102,
472.1487, 251.3631


 27.3366, 54.2437,
10.5687


 73.7009, 123.9419,
40.3352


 17.9641, 38.7965,
5.6671


 96.4557, 156.2415,
56.6731


 11.0237, 26.6015,
2.5783


 123.4695,
193.7152, 76.9164

 6.1502, 17.2742,
0.8812

 155.1076,
236.7473, 101.4837

 2.9782, 10.4301,
0.0000

 191.7353,
285.7224, 130.7934

 1.1422, 5.6851,
0.0000

233.7181,

 0.0600, 2.6546,

341.0247, 165.2642

0.0000

281.4213,
403.0387, 205.3146

0.0000, 0.9542,
0.0000

0.0000, 0.0000,
0.0000

39.5067, 73.3274,
17.7016

39.5067, 73.3274,
17.7016

37.3736, 72.3004,
14.3202

42.7426, 74.8836,
22.9106


36.1962, 71.7323,
12.5105


47.2021, 77.0270,
30.1514


35.8114, 71.5465,
11.9224


52.9910, 79.8080,
39.6051

60.2035, 83.2719,
51.4316

 68.9252, 87.4596,
65.7763

 79.2350, 92.4090,
82.7727

 91.2064, 98.1552,
102.5452

 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.



55.9971, 73.3274, 6.9240



39.5067, 73.3274, 17.7016



32.0355, 73.3274, 53.2356

Triad

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



39.5067, 73.3274, 17.7016



59.6515, 73.3274, 309.3484



127.4757, 73.3274, 44.6901

Complementary

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



39.5067, 73.3274, 17.7016



60.3256, 32.1737, 97.6384

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.



129.1419, 73.3274, 114.0972



39.5067, 73.3274, 17.7016



85.4634, 73.3274, 301.5778

Square

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



39.5067, 73.3274, 17.7016



41.6189, 73.3274, 233.9584



112.3127, 73.3274, 216.6324



108.1986, 73.3274, 14.7089

Rectangle

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



39.5067, 73.3274, 17.7016



31.5987, 73.3274, 99.5781



112.3127, 73.3274, 216.6324



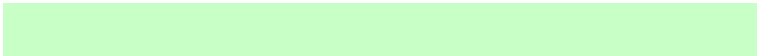
130.2566, 73.3274, 62.9012

Sweetspot

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



39.5070, 73.3275, 17.7028



69.8240, 87.8911, 67.2565



77.0934, 91.2478, 19.1807



14.3975, 18.5493, 13.4938



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.



39.5070, 73.3275, 17.7028



36.6688, 71.9605, 13.2260



44.4644, 75.2853, 44.9451



17.7986, 20.1821, 19.1018



18.7239, 37.3906, 6.2303



1.8322, 3.6453, 0.6070

Inverse Universe

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



60.3256, 32.1737, 97.6384



58.4531, 28.7605, 97.0783



50.1695, 28.2375, 38.4528



18.7621, 18.2846, 22.7904



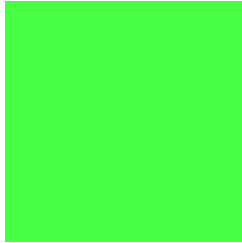
30.2128, 14.4857, 50.6382



2.9506, 1.4150, 4.9309

Previews

White Background



This preview shows how the XYZ color 39.5067, 73.3274, 17.7016 looks on a white background.

Color Contrast Check

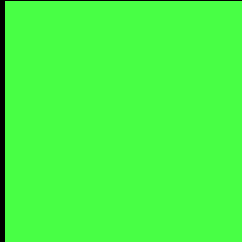
Large Text (above 18pt) WCAG AA × Fail

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 39.5067, 73.3274, 17.7016 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 39.5067, 73.3274, 17.7016

Background



This preview shows how black text looks on a background with the XYZ color 39.5067, 73.3274, 17.7016.

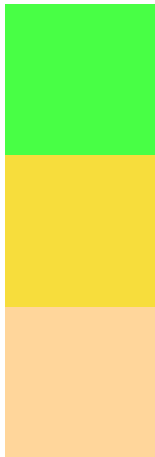


This preview shows how white text looks on a background with the XYZ color 39.5067, 73.3274,

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

39.5067, 73.3274, 17.7016

Protanopia

65.0298, 71.8133, 14.7089

Deuteranopia

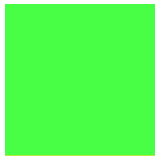
71.2030, 71.7197, 41.1008



Tritanopia

57.8499, 72.6939, 105.5901

Trichromacy



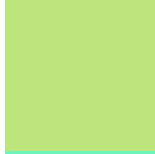
Original Color

39.5067, 73.3274, 17.7016



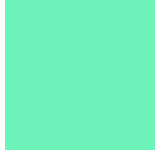
Protanomaly

49.5646, 68.7040, 15.3515



Deuteranomaly

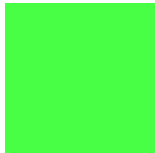
52.3964, 68.1852, 29.4683



Tritanomaly

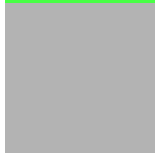
47.7507, 71.6042, 58.3180

Monochromacy



Original Color

39.5067, 73.3274, 17.7016



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

37.7882, 52.0652, 32.4840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5067, 73.3274, 17.7016 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 69) }
```

Border

The CSS property to change the border of an element to XYZ 39.5067, 73.3274, 17.7016 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, 69) }
```


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

```
.border{ border-color:rgb(72, 255, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 69);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5067, 73.3274, 17.7016 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, 69) }
```

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

```
.background{ background-color: rgb(72, 255,  
69) }
```

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