

# Converting Colors

XYZ(43.4233, 75.4016, 15.3973)

Have a look what the booklet for  
XYZ(43.4233, 75.4016, 15.3973)  
contains.

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# Color

**XYZ(43.4278, 75.4039,  
15.3975)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 73FF33                       |
| RGB         | 115, 255, 51                 |
| RGB Percent | 45%, 100%, 20%               |
| CMY         | 0.5490, 0.0000, 0.8000       |
| CMYK        | 0.55, 0.00, 0.80, 0.00       |
| HSL         | 101°, 100%, 60%              |
| HSV         | 101°, 80%, 100%              |
| XYZ         | 43.4278, 75.4039, 15.3975    |
| YIQ         | 189.8840, -17.9560, -93.1240 |

# Conversions

## Conversions Part 2

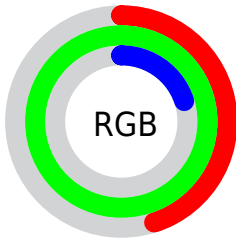
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 51, 255, 191                    |
| Decimal                             | 7601971                         |
| CIELab                              | 89.58, -69.99, 77.84            |
| CIELCh                              | 90, 104.678, 131.960            |
| Yxy                                 | 75.4039, 0.3235,<br>0.5618      |
| Android<br>(android.graphics.Color) | 4285792051<br>(0xFF73FF33)      |
| YUV                                 | 189.8840, -68.4698,<br>-65.6733 |
| Hunter-Lab                          | 86.8354, -62.6912,<br>50.2716   |

# Details

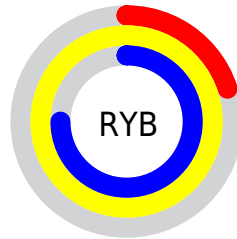
The XYZ color **43.4278, 75.4039, 15.3975** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **40.7227, 20.6662, 96.4504**, and the grayscale version is **49.2666, 51.8323, 56.4453**.

A 20% lighter version of the original color is **57.3877, 82.3186, 28.7840**, and **20.6938, 40.3076, 6.6895** is the 20% darker color. If you saturate the color by 10%, you get **40.9241, 74.1613, 13.1064**, and if you desaturate by 10%, it is **46.6765, 76.9949, 19.3322**.

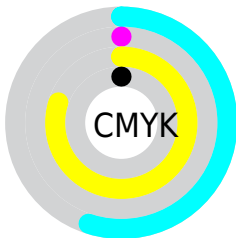
# Distribution



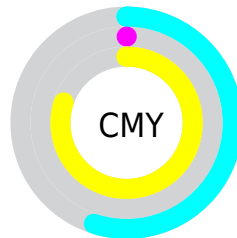
- Red (45%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (75%)



- Cyan (55%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.4278, 75.4039, 15.3975 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 43.4278, 75.4039, 15.3975 by changing the saturation by 10% instead.





 43.4278, 75.4039,  
15.3975


 43.4278, 75.4039,  
15.3975


351.2599,  
479.3047, 237.4828


 30.4169, 55.9438,  
8.9491


 79.6077, 126.8839,  
36.3011

 20.3049, 40.1579,  
4.6116


 103.5075,  
159.6727, 51.5935

 12.7264, 27.6617,  
1.9665

 131.7675,  
197.6732, 70.6709

 7.3161, 18.0708,  
0.5346

 164.7532,  
241.2697, 93.9519

 3.7087, 11.0008,  
0.0000

 202.8300,  
290.8467, 121.8550

 1.5387, 6.0674,  
0.0000

246.3631,

 0.3519, 2.8861,

346.7887, 154.7989

0.0000

295.7180,  
409.4798, 193.2020

0.0000, 1.0726,  
0.0000

0.0000, 0.0000,  
0.0000

43.4278, 75.4039,  
15.3975

43.4278, 75.4039,  
15.3975

40.9241, 74.1613,  
13.1064

46.6765, 76.9949,  
19.3322

39.0682, 73.2254,  
12.0751

50.7367, 78.9637,  
25.1404

39.0675, 73.2251,  
12.0748

55.6668, 81.3360,  
33.0188

61.5190, 84.1349,  
43.1386

■ 68.3410, 87.3819,  
55.6529

■ 76.1770, 91.0965,  
70.7014

■ 85.0684, 95.2974,  
88.4132

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.



61.9015, 75.4039, 6.8729



43.4278, 75.4039, 15.3975



34.1803, 75.4039, 45.5877

# Triad

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



43.4278, 75.4039, 15.3975



57.4190, 75.4039, 303.8268



131.7534, 75.4039, 56.1100

# Complementary

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



43.4278, 75.4039, 15.3975



40.7227, 20.6662, 96.4504

# 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.



129.7265, 75.4039, 134.2378



43.4278, 75.4039, 15.3975



82.4138, 75.4039, 313.2245

# Square

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



43.4278, 75.4039, 15.3975



40.8256, 75.4039, 217.8750



110.0808, 75.4039, 238.8771



115.0927, 75.4039, 19.1467



# Rectangle

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



43.4278, 75.4039, 15.3975



32.7348, 75.4039, 87.0420



110.0808, 75.4039, 238.8771



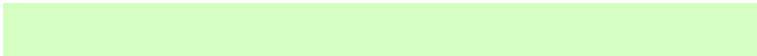
133.3272, 75.4039, 77.3526

# Sweetspot

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



43.4280, 75.4039, 15.3986



72.9151, 89.5519, 64.3635



60.3387, 58.5009, 11.2447



15.0155, 18.8874, 12.6447



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.



43.4280, 75.4039, 15.3986



39.7456, 73.5682, 12.3982



38.9042, 72.9354, 21.3489



18.3077, 20.4445, 19.1256



20.5485, 38.3312, 6.3156



2.1078, 3.7874, 0.6199



# Inverse Universe

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



40.7227, 20.6662, 96.4504



36.5687, 16.9311, 95.9484



55.0271, 28.6697, 68.6904



18.2059, 17.9979, 22.7643



18.8314, 8.6184, 50.1056

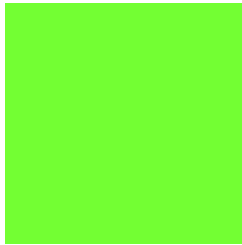


1.9464, 0.8973, 4.8839



# Previews

## White Background



This preview shows how the XYZ color 43.4278, 75.4039, 15.3975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

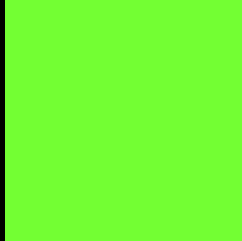
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.4278, 75.4039, 15.3975 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

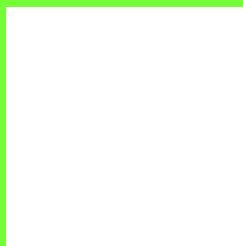
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 43.4278, 75.4039, 15.3975**

## **Background**



This preview shows how black text looks on a background with the XYZ color 43.4278, 75.4039, 15.3975.



This preview shows how white text looks on a background with the XYZ color 43.4278, 75.4039,



# 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

43.4278, 75.4039, 15.3975

### Protanopia

66.8754, 73.9950, 13.0432

### Deuteranopia

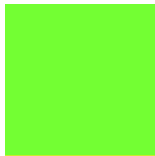
72.8444, 73.6023, 45.9647



## Tritanopia

62.0445, 74.8563, 105.7864

# Trichromacy



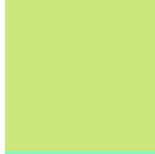
## Original Color

43.4278, 75.4039, 15.3975



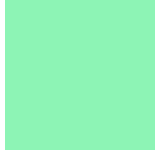
## Protanomaly

54.5586, 72.1705, 13.6395



## Deuteranomaly

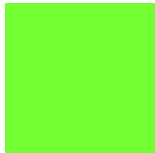
57.1158, 71.4444, 29.8486



## Tritanomaly

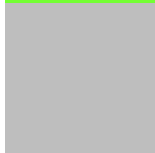
51.6757, 73.7003, 55.2180

# Monochromacy



## Original Color

43.4278, 75.4039, 15.3975



## Achromatopsia

48.9429, 51.4918, 56.0745



## Achromatomaly

43.8110, 57.7437, 33.2627

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.4278, 75.4039, 15.3975 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(115, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 51) }
```

## Border

The CSS property to change the border of an element to XYZ 43.4278, 75.4039, 15.3975 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(115, 255, 51) }
```



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

```
.border{ border-color:rgb(115, 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(115, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
51) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.4278, 75.4039, 15.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 51) }
```

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

```
.background{ background-color: rgb(115,  
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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