

# Converting Colors

XYZ(39.4868, 65.5928, 17.4170)

Have a look what the booklet for  
XYZ(39.4868, 65.5928, 17.4170)  
contains.

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# Color

**XYZ(39.4868, 65.5928,  
17.4170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77EE4C
RGB	119, 238, 76
RGB Percent	47%, 93%, 30%
CMY	0.5333, 0.0666, 0.7019
CMYK	0.50, 0.00, 0.68, 0.07
HSL	104°, 83%, 62%
HSV	104°, 68%, 93%
XYZ	39.4868, 65.5928, 17.4170
YIQ	183.9510, -18.9220, -75.6100

# Conversions

## Conversions Part 2

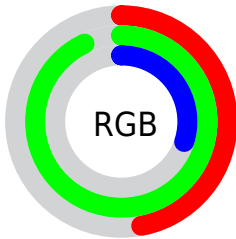
<b>Format</b>	<b>Color</b>
<b>RYB</b>	76, 238, 195
Decimal	7859788
CIELab	84.79, -61.35, 65.21
CIELCh	85, 89.528, 133.254
Yxy	65.5928, 0.3224, 0.5355
Android (android.graphics.Color)	4286049868 (0xFF77EE4C)
YUV	183.9510, -53.2198, -56.9620
Hunter-Lab	80.9894, -54.7028, 43.9421

# Details

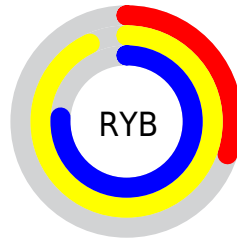
The XYZ color **39.4868, 65.5928, 17.4170** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **40.5264, 22.9464, 83.1856**, and the grayscale version is **45.8267, 48.2133, 52.5043**.

A 20% lighter version of the original color is **58.5153, 82.7696, 34.7219**, and **17.9400, 33.7778, 5.5742** is the 20% darker color. If you saturate the color by 10%, you get **36.6252, 64.1981, 13.7342**, and if you desaturate by 10%, it is **43.0989, 67.3430, 22.7344**.

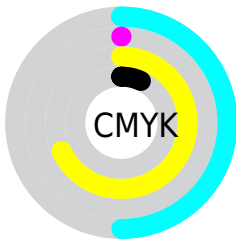
# Distribution



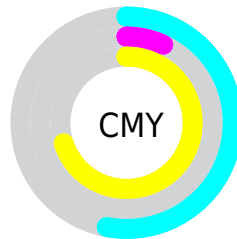
- Red (47%)
- Green (93%)
- Blue (30%)



- Red (30%)
- Yellow (93%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (68%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4868, 65.5928, 17.4170 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 39.4868, 65.5928, 17.4170 by changing the saturation by 10% instead.





 39.4868, 65.5928,  
17.4170


 39.4868, 65.5928,  
17.4170


335.1274,  
444.9192, 249.6889


 27.3211, 47.9419,  
10.3672


 73.6707, 112.9017,  
39.8418


 17.9523, 33.7809,  
5.5343


 96.4196, 143.3285,  
56.0538


 11.0152, 22.7253,  
2.4999


 123.4269,  
178.7827, 76.1570

 6.1445, 14.3908,  
0.8401

 155.0580,  
219.6488, 100.5698

 2.9746, 8.3930,  
0.0000

 191.6783,  
266.3111, 129.7109

 1.1404, 4.3474,  
0.0000

233.6530,

 0.0585, 1.8697,

319.1540, 163.9988

0.0000

281.3476,  
378.5619, 203.8519

■ 0.0000, 0.5301,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.4868, 65.5928,  
17.4170

■ 39.4868, 65.5928,  
17.4170

■ 36.6252, 64.1981,  
13.7342

■ 43.0989, 67.3430,  
22.7344

■ 34.4494, 63.1239,  
11.4926


■ 47.5094, 69.4639,  
29.8424


■ 32.8850, 62.3393,  
10.4317


■ 52.7675, 71.9799,  
38.8838

■ 32.6364, 62.2140,  
10.2884

■ 58.9166, 74.9105,  
49.9857

 65.9972, 78.2741,  
63.2644

 74.0473, 82.0879,  
78.8274

 83.1023, 86.3681,  
96.7753

 89.8659, 89.6318,  
107.1720

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.9182, 65.5928, 8.8486



39.4868, 65.5928, 17.4170



32.2396, 65.5928, 44.1017

# Triad

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



39.4868, 65.5928, 17.4170



51.8848, 65.5928, 237.8486



107.8895, 65.5928, 48.9833

# Complementary

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



39.4868, 65.5928, 17.4170



40.5264, 22.9464, 83.1856

# 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.



107.0155, 65.5928, 108.1799



39.4868, 65.5928, 17.4170



71.6048, 65.5928, 241.7525

# Square

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



39.4868, 65.5928, 17.4170



38.2745, 65.5928, 176.9047



92.6604, 65.5928, 185.7564



94.8403, 65.5928, 19.3405



# Rectangle

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



39.4868, 65.5928, 17.4170



31.2371, 65.5928, 77.8700



92.6604, 65.5928, 185.7564



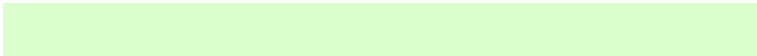
109.2857, 65.5928, 65.3353

# Sweetspot

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



39.4884, 65.5956, 17.4185



75.4338, 90.7135, 70.6604



56.0376, 57.6426, 15.0111



15.6353, 19.1740, 14.1617



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.



39.4884, 65.5956, 17.4185



41.6624, 74.5060, 14.7597



36.5830, 63.8990, 26.2672



15.9593, 17.8592, 16.7557



18.3110, 34.7612, 5.7445



1.6142, 2.9387, 0.4821



# Inverse Universe

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



40.5264, 22.9464, 83.1856



42.7104, 21.3775, 96.4829



48.2956, 27.5273, 57.5370



16.0211, 15.8081, 19.9285



18.5810, 8.5843, 45.8055

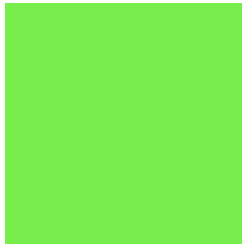


1.6391, 0.7623, 3.8150



# Previews

## White Background



This preview shows how the XYZ color 39.4868, 65.5928, 17.4170 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 39.4868, 65.5928, 17.4170 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

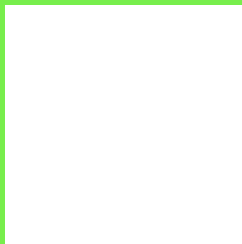
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.4868, 65.5928, 17.4170**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4868, 65.5928, 17.4170.



This preview shows how white text looks on a background with the XYZ color 39.4868, 65.5928,



# 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

39.4868, 65.5928, 17.4170

### Protanopia

58.6294, 64.6804, 15.0247

### Deuteranopia

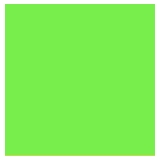
65.1639, 64.2482, 24.8862



## Tritanopia

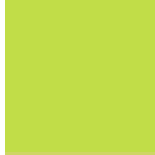
54.2439, 64.9234, 92.1106

# Trichromacy



## Original Color

39.4868, 65.5928, 17.4170



## Protanomaly

49.0185, 63.5182, 15.8076



## Deuteranomaly

51.8004, 62.1350, 21.3197



## Tritanomaly

46.4629, 64.1854, 53.1202

# Monochromacy



## Original Color

39.4868, 65.5928, 17.4170



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

41.2009, 52.7036, 34.7894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4868, 65.5928, 17.4170 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(119, 238, 76)` looks like.

```
.text, #text, p{  
    color:rgb(119, 238, 76)  
}
```

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(119, 238, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 238, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4868, 65.5928, 17.4170 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(119, 238, 76) }
```



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

```
.border{ border-color:rgb(119, 238, 76) }
```

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

Here you see how a box with a 4 pixel rgb(119, 238, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 238, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 238, 76);  
box-shadow:4px 4px 4px 4px rgb(119, 238,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4868, 65.5928, 17.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 238, 76) }
```

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

```
.background{ background-color: rgb(119,  
238, 76) }
```

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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