

# Converting Colors

XYZ(39.4766, 65.7383, 10.6081)

Have a look what the booklet for  
XYZ(39.4766, 65.7383, 10.6081)  
contains.

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# Color

**XYZ(39.4766, 65.7383,  
10.6081)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80EE00
RGB	128, 238, 0
RGB Percent	50%, 93%, 0%
CMY	0.4980, 0.0666, 0.9999
CMYK	0.46, 0.00, 1.00, 0.07
HSL	88°, 100%, 47%
HSV	88°, 100%, 93%
XYZ	39.4766, 65.7383, 10.6081
YIQ	177.9780, 10.8380, -97.3380

# Conversions

## Conversions Part 2

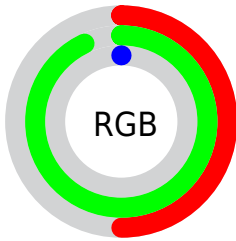
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 238, 110
Decimal	8449536
CIELab	84.86, -61.70, 81.87
CIELCh	85, 102.519, 127.002
Yxy	65.7383, 0.3408, 0.5676
Android (android.graphics.Color)	4286639616 (0xFF80EE00)
YUV	177.9780, -87.7432, -43.8307
Hunter-Lab	81.0792, -54.9787, 48.9981

# Details

The XYZ color **39.4766, 65.7383, 10.6081** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **21.8689, 9.4915, 81.5721**, and the grayscale version is **42.7547, 44.9813, 48.9846**.

A 20% lighter version of the original color is **58.5917, 83.0770, 22.6202**, and **18.5105, 34.0719, 5.6009** is the 20% darker color. If you saturate the color by 10%, you get **39.4757, 65.7399, 10.6085**, and if you desaturate by 10%, it is **41.3868, 66.7063, 11.5494**.

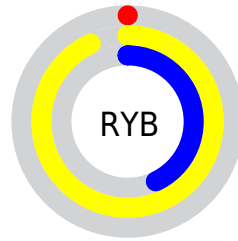
# Distribution



Red (50%)

Green (93%)

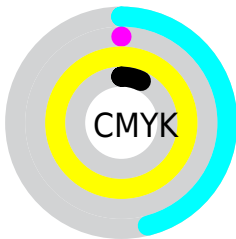
Blue (0%)



Red (0%)

Yellow (93%)

Blue (43%)

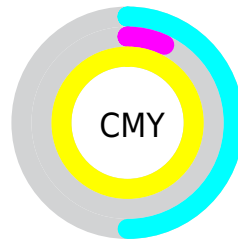


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (50%)

Magenta (7%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4766, 65.7383, 10.6081 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 39.4766, 65.7383, 10.6081 by changing the saturation by 10% instead.



39.4766, 65.7383,  
10.6081

39.4766, 65.7383,  
10.6081

335.0849,  
445.4404, 205.5988

27.3131, 48.0600,  
5.6931

73.6553, 113.1106,  
27.5587

17.9463, 33.8744,  
2.5936

96.4011, 143.5735,  
40.4313

11.0109, 22.7971,  
0.8892

123.4051,  
179.0666, 56.7936

6.1415, 14.4438,  
0.0000

155.0326,  
219.9744, 77.0641

2.9728, 8.4300,  
0.0000

191.6490,  
266.6813, 101.6613

1.1394, 4.3713,  
0.0000

233.6196,

0.0577, 1.8833,

319.5716, 131.0038

0.0000

281.3098,  
379.0299, 165.5101

■ 0.0000, 0.5383,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.4766, 65.7383,  
10.6081

■ 39.4766, 65.7383,  
10.6081

■ 39.4757, 65.7399,  
10.6085

■ 41.3868, 66.7063,  
11.5494

■ 43.6802, 67.8467,  
13.5504

■ 46.4263, 69.1901,  
16.9427

■ 49.6671, 70.7539,  
21.9216

■ 53.4386, 72.5532,  
28.6515

■ 57.7726, 74.6010,  
37.2759

■ 62.6981, 76.9096,  
47.9236

■ 68.2416, 79.4901,  
60.7122

■ 74.4281, 82.3529,  
75.7502

# Harmonies

## Analogous

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



57.2472, 65.7383, 5.1113



39.4766, 65.7383, 10.6081



29.9869, 65.7383, 32.6363

# Triad

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



39.4766, 65.7383, 10.6081



46.7550, 65.7383, 262.7815



117.4236, 65.7383, 57.2282

# Complementary

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



39.4766, 65.7383, 10.6081



21.8689, 9.4915, 81.5721

# 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.



112.6419, 65.7383, 133.3023



39.4766, 65.7383, 10.6081



68.0271, 65.7383, 285.0817

# Square

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



39.4766, 65.7383, 10.6081



33.4127, 65.7383, 177.9938



93.0388, 65.7383, 227.7401



104.8473, 65.7383, 19.2247



# Rectangle

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



39.4766, 65.7383, 10.6081



27.9198, 65.7383, 65.1593



93.0388, 65.7383, 227.7401



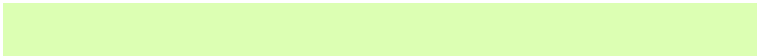
117.8340, 65.7383, 78.4046

# Sweetspot

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



39.4781, 65.7411, 10.6095



73.2516, 89.9135, 55.8774



40.5320, 28.7185, 3.4079



15.1394, 18.9928, 10.7711



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.



39.4781, 65.7411, 10.6095



46.0967, 76.8488, 12.4037



30.7268, 61.2297, 10.2000



16.3778, 18.0749, 16.7753



22.1735, 36.7524, 5.9253



1.9593, 3.1166, 0.4983



# Inverse Universe

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



21.8689, 9.4915, 81.5721



25.5045, 11.0630, 95.3989



46.8311, 22.3600, 82.7403



15.5917, 15.5867, 19.9084



12.3445, 5.3692, 45.5136

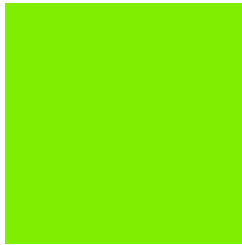


1.1405, 0.5052, 3.7916



# Previews

## White Background



This preview shows how the XYZ color 39.4766, 65.7383, 10.6081 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

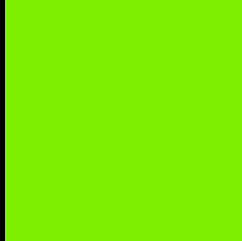
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4766, 65.7383, 10.6081 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 39.4766, 65.7383, 10.6081**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4766, 65.7383, 10.6081.



This preview shows how white text looks on a background with the XYZ color 39.4766, 65.7383, 10.6081.



# 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

39.4766, 65.7383, 10.6081

### Protanopia

58.2193, 64.5931, 9.3992

### Deuteranopia

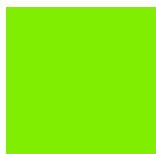
65.1208, 64.6052, 23.5058



## Tritanopia

55.5370, 65.2140, 91.3218

# Trichromacy



## Original Color

39.4766, 65.7383, 10.6081



## Protanomaly

48.8824, 63.5832, 9.6964



## Deuteranomaly

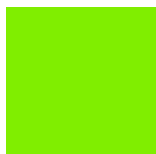
51.6691, 62.5859, 14.9873



## Tritanomaly

45.1692, 63.4082, 39.5641

# Monochromacy



## Original Color

39.4766, 65.7383, 10.6081



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

38.1321, 49.9744, 23.2590

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4766, 65.7383, 10.6081 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(128, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 238, 0)  
}
```

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(128, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 238, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4766, 65.7383, 10.6081 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(128, 238, 0) }
```



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

```
.border{ border-color:rgb(128, 238, 0) }
```

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

Here you see how a box with a 4 pixel rgb(128, 238, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 238,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4766, 65.7383, 10.6081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 238, 0) }
```

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

```
.background{ background-color: rgb(128,  
238, 0) }
```

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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