

# Converting Colors

XYZ(39.5966, 65.4336, 10.5430)

Have a look what the booklet for  
XYZ(39.5966, 65.4336, 10.5430)  
contains.

<b>XYZ(39.4901, 65.3142, 10.5256)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(39.4901, 65.3142,  
10.5256)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82ED00
RGB	130, 237, 0
RGB Percent	51%, 93%, 0%
CMY	0.4902, 0.0706, 0.9999
CMYK	0.45, 0.00, 1.00, 0.07
HSL	87°, 100%, 46%
HSV	87°, 100%, 93%
XYZ	39.4901, 65.3142, 10.5256
YIQ	177.9890, 12.3050, -96.3910

# Conversions

## Conversions Part 2

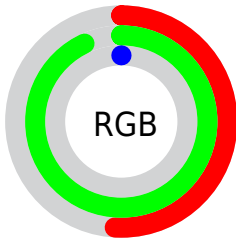
Format	Color
<a href="#">RYB</a>	<a href="#">0, 237, 107</a>
Decimal	<a href="#">8580352</a>
CIELab	<a href="#">84.65, -60.72, 81.74</a>
CIELCh	<a href="#">85, 101.823, 126.608</a>
Yxy	<a href="#">65.3142, 0.3424, 0.5663</a>
Android (android.graphics.Color)	<a href="#">4286770432 (0xFF82ED00)</a>
YUV	<a href="#">177.9890, -87.7486, -42.0864</a>
Hunter-Lab	<a href="#">80.8172, -54.2088, 48.8501</a>

# Details

The XYZ color **39.4901, 65.3142, 10.5256** 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 **21.3554, 9.2438, 80.7831**, and the grayscale version is **42.7601, 44.9870, 48.9908**.

A 20% lighter version of the original color is **59.0913, 83.3346, 22.6436**, and **18.5012, 33.7663, 5.5424** is the 20% darker color. If you saturate the color by 10%, you get **39.4890, 65.3157, 10.5259**, and if you desaturate by 10%, it is **41.3815, 66.2726, 11.4607**.

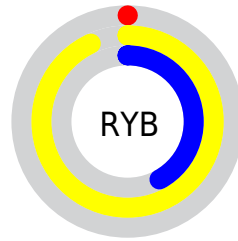
# Distribution



Red (51%)

Green (93%)

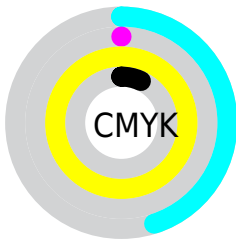
Blue (0%)



Red (0%)

Yellow (93%)

Blue (42%)

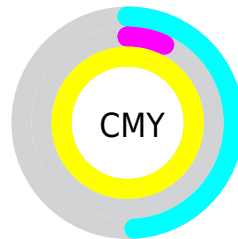


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (49%)

Magenta (7%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4901, 65.3142, 10.5256 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 39.4901, 65.3142, 10.5256 by changing the saturation by 10% instead.





 39.4901, 65.3142,  
10.5256


 39.4901, 65.3142,  
10.5256


335.1411,  
443.9202, 205.0025

 27.3236, 47.7159,  
5.6387


 73.6757, 112.5015,  
27.4026

 17.9543, 33.6020,  
2.5614


 96.4256, 142.8592,  
40.2298


 11.0167, 22.5880,  
0.8724


 123.4340,  
178.2389, 56.5409

 6.1454, 14.2896,  
0.0000

 155.0662,  
219.0249, 76.7543

 2.9752, 8.3223,  
0.0000

 191.6877,  
265.6017, 101.2886

 1.1407, 4.3019,  
0.0000

 233.6638,

 0.0587, 1.8438,

318.3535, 130.5624

0.0000

281.3598,  
377.6649, 164.9942

■ 0.0000, 0.5143,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.4901, 65.3142,  
10.5256

■ 39.4901, 65.3142,  
10.5256

■ 39.4890, 65.3157,  
10.5259

■ 41.3815, 66.2726,  
11.4607

■ 43.6451, 67.3979,  
13.4444

■ 46.3491, 68.7203,  
16.8057

■ 49.5349, 70.2568,  
21.7378

■ 53.2376, 72.0219,  
28.4031

■ 57.4886, 74.0287,  
36.9439

■ 62.3160, 76.2890,  
47.4876

■ 67.7461, 78.8137,  
60.1504

■ 73.8030, 81.6128,  
75.0398

# Harmonies

## Analogous

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



57.1836, 65.3142, 5.1608



39.4901, 65.3142, 10.5256



29.9814, 65.3142, 32.0929

# Triad

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



39.4901, 65.3142, 10.5256



46.2913, 65.3142, 259.0066



116.4126, 65.3142, 57.6608

# Complementary

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



39.4901, 65.3142, 10.5256



21.3554, 9.2438, 80.7831

# 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.



111.4626, 65.3142, 133.2977



39.4901, 65.3142, 10.5256



67.2465, 65.3142, 282.0461

# Square

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



39.4901, 65.3142, 10.5256



33.1856, 65.3142, 174.9421



91.9656, 65.3142, 226.3796



104.1957, 65.3142, 19.5372



# Rectangle

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



39.4901, 65.3142, 10.5256



27.8686, 65.3142, 63.9629



91.9656, 65.3142, 226.3796



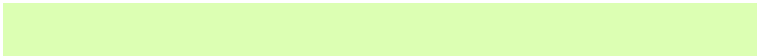
116.7381, 65.3142, 78.7836

# Sweetspot

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



39.4916, 65.3170, 10.5270



73.4996, 90.0414, 55.8891



40.1504, 28.4524, 3.3767



15.1981, 19.0231, 10.7739



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.



39.4916, 65.3170, 10.5270



46.5504, 77.0827, 12.4250



30.4358, 60.6486, 10.1032



15.6580, 17.2692, 16.0268



21.7120, 35.7374, 5.7537



1.8155, 2.8633, 0.4570



# Inverse Universe

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



21.3554, 9.2438, 80.7831



25.1396, 10.8748, 95.3818



46.3872, 22.1482, 81.9546



14.8772, 14.8820, 19.0106



11.8040, 5.1211, 44.1093

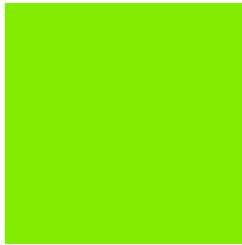


1.0363, 0.4585, 3.4688



# Previews

## White Background



This preview shows how the XYZ color 39.4901, 65.3142, 10.5256 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

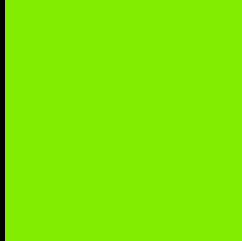
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4901, 65.3142, 10.5256 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 39.4901, 65.3142, 10.5256**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4901, 65.3142, 10.5256.



This preview shows how white text looks on a background with the XYZ color 39.4901, 65.3142,



# 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

39.4901, 65.3142, 10.5256

### Protanopia

57.9716, 64.0977, 9.3167

### Deuteranopia

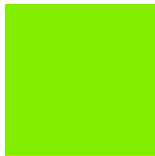
64.7282, 64.0739, 22.5916



## Tritanopia

55.3239, 64.7304, 90.4673

# Trichromacy



## Original Color

39.4901, 65.3142, 10.5256



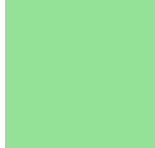
## Protanomaly

48.8819, 63.1922, 9.6210



## Deuteranomaly

51.6380, 62.2000, 14.5944



## Tritanomaly

44.9950, 62.9230, 39.0520

# Monochromacy



## Original Color

39.4901, 65.3142, 10.5256



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

38.1020, 49.6162, 23.1915

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4901, 65.3142, 10.5256 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(130, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 237, 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(130, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 237, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4901, 65.3142, 10.5256 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(130, 237, 0) }
```



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

```
.border{ border-color:rgb(130, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 237,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4901, 65.3142, 10.5256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 237, 0) }
```

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

```
.background{ background-color: rgb(130,  
237, 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](#).

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