

# Converting Colors

XYZ(39.5845, 71.5767, 34.6511)

Have a look what the booklet for  
XYZ(39.5845, 71.5767, 34.6511)  
contains.

<b>XYZ(39.5845, 71.5767, 34.6511)</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(39.5845, 71.5767,  
34.6511)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19FC87
RGB	25, 252, 135
RGB Percent	10%, 99%, 53%
CMY	0.9019, 0.0117, 0.4706
CMYK	0.90, 0.00, 0.46, 0.01
HSL	149°, 97%, 54%
HSV	149°, 90%, 99%
XYZ	39.5845, 71.5767, 34.6511
YIQ	170.7890, -97.7350, -84.5110

# Conversions

## Conversions Part 2

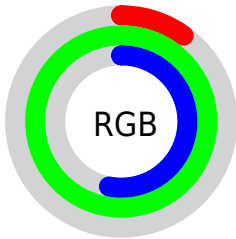
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">25, 178, 252</a>
Decimal	<a href="#">1703047</a>
CIELab	<a href="#">87.76, -73.87, 42.36</a>
CIELCh	<a href="#">88, 85.151, 150.169</a>
Yxy	<a href="#">71.5767, 0.2715, 0.4909</a>
Android (android.graphics.Color)	<a href="#">4279893127 (0xFF19FC87)</a>
YUV	<a href="#">170.7890, -17.6440, -127.8570</a>
Hunter-Lab	<a href="#">84.6030, -64.5378, 34.9385</a>

# Details

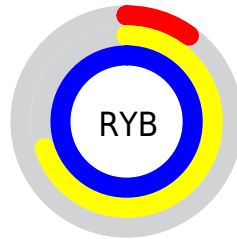
The XYZ color **39.5845, 71.5767, 34.6511** is a dark color, and the websafe version is hex **00FF99**. The color can be described as middle washed spring green. A complement of this color would be **45.3776, 23.3453, 27.7103**, and the grayscale version is **38.7263, 40.7431, 44.3693**.

A 20% lighter version of the original color is **52.6620, 79.1596, 61.2190**, and **20.8531, 39.2081, 14.6525** is the 20% darker color. If you saturate the color by 10%, you get **38.3315, 71.0313, 30.1388**, and if you desaturate by 10%, it is **41.4823, 72.4448, 39.8108**.

# Distribution



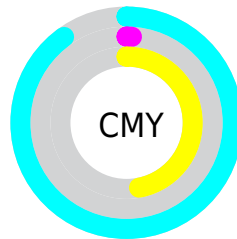
- Red (10%)
- Green (99%)
- Blue (53%)



- Red (10%)
- Yellow (70%)
- Blue (99%)



- Cyan (90%)
- Magenta (0%)
- Yellow (46%)
- Black (1%)




- Cyan (90%)
- Magenta (1%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5845, 71.5767, 34.6511 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 39.5845, 71.5767, 34.6511 by changing the saturation by 10% instead.





 39.5845, 71.5767,  
34.6511


 39.5845, 71.5767,  
34.6511


335.5337,  
466.0669, 337.8830


 27.3975, 52.8130,  
23.1128


 73.8188, 121.4545,  
68.0903


 18.0101, 37.6535,  
14.4708


 96.5967, 153.3374,  
90.8284


 11.0570, 25.7139,  
8.3063


 123.6357,  
190.3621, 118.1368

 6.1727, 16.6097,  
4.2010

 155.3011,  
232.9130, 150.4341

 2.9921, 9.9566,  
1.7363

 191.9583,  
281.3746, 188.1388

 1.1496, 5.3702,  
0.3854

233.9725,

 0.0660, 2.4661,

336.1311, 231.6695

0.0000

281.7092,  
397.5671, 281.4447

■ 0.0000, 0.8596,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.5845, 71.5767,  
34.6511

■ 39.5845, 71.5767,  
34.6511


■ 38.3315, 71.0313,  
30.1388


■ 41.4823, 72.4448,  
39.8108


■ 44.1771, 73.7085,  
45.6086


■ 47.7724, 75.4227,  
52.0698

■ 52.3537, 77.6310,  
59.2164

 57.9961, 80.3718,  
67.0693

 64.7670, 83.6794,  
75.6483

 72.7282, 87.5854,  
84.9723

 81.9366, 92.1188,  
95.0595

 92.4455, 97.3067,  
105.9275

# Harmonies

## Analogous

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



50.3129, 71.5767, 15.8856



39.5845, 71.5767, 34.6511



36.1037, 71.5767, 78.2642

# Triad

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



39.5845, 71.5767, 34.6511



68.1464, 71.5767, 250.5822



107.4568, 71.5767, 34.3204

# Complementary

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



39.5845, 71.5767, 34.6511



45.3776, 23.3453, 27.7103

# 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.



114.7542, 71.5767, 77.6065



39.5845, 71.5767, 34.6511



89.4868, 71.5767, 219.1596

# Square

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



39.5845, 71.5767, 34.6511



50.4757, 71.5767, 219.8154



107.6126, 71.5767, 147.4303



89.2482, 71.5767, 15.7720



# Rectangle

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



39.5845, 71.5767, 34.6511



37.6880, 71.5767, 122.9451



107.6126, 71.5767, 147.4303



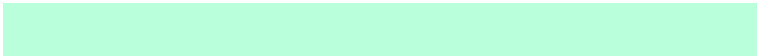
111.4111, 71.5767, 45.5180

# Sweetspot

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



39.5863, 71.5796, 34.6527



68.8999, 87.1194, 80.5562



46.1926, 75.4702, 13.0529



14.1827, 18.3705, 16.5626



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.



39.5863, 71.5796, 34.6527



39.3705, 72.9642, 30.9328



52.1905, 76.6213, 101.0254



17.3678, 19.4494, 20.1375



20.0404, 37.0291, 16.0877



1.9094, 3.4509, 1.7708



# Inverse Universe

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



45.3776, 23.3453, 27.7103



45.3664, 22.9106, 23.6593



40.7135, 21.4797, 3.1493



17.6181, 17.3746, 19.8449



23.0819, 11.6485, 12.4055

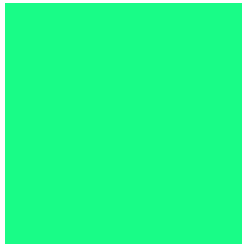


2.1914, 1.1003, 1.4312



# Previews

## White Background



This preview shows how the XYZ color 39.5845, 71.5767, 34.6511 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 39.5845, 71.5767, 34.6511 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

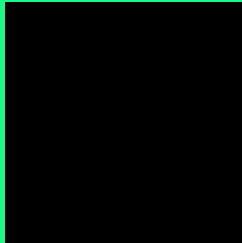
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.5845, 71.5767, 34.6511**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5845, 71.5767, 34.6511.



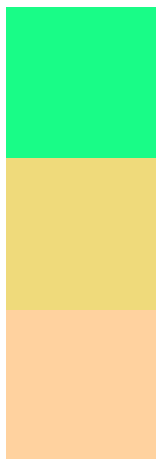
This preview shows how white text looks on a background with the XYZ color 39.5845, 71.5767,



# 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

39.5845, 71.5767, 34.6511

### Protanopia

64.2432, 69.9236, 28.8495

### Deuteranopia

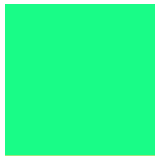
70.5446, 69.8564, 42.5664



## Tritanopia

54.8897, 71.1679, 105.4515

# Trichromacy



## Original Color

39.5845, 71.5767, 34.6511



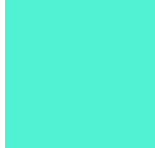
## Protanomaly

46.8255, 65.7030, 30.2927



## Deuteranomaly

49.2248, 64.7104, 38.7501



## Tritanomaly

46.8183, 69.9129, 72.6550

# Monochromacy



## Original Color

39.5845, 71.5767, 34.6511



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

34.2970, 47.6287, 39.7334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5845, 71.5767, 34.6511 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(25, 252, 135)` looks like.

```
.text, #text, p{  
    color:rgb(25, 252, 135)  
}
```

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(25, 252, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 252, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5845, 71.5767, 34.6511 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(25, 252, 135) }
```



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

```
.border{ border-color:rgb(25, 252, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 252, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 252, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 252, 135);  
box-shadow:4px 4px 4px 4px rgb(25, 252,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5845, 71.5767, 34.6511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 252, 135) }
```

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

```
.background{ background-color: rgb(25, 252,  
135) }
```

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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