

# Converting Colors

XYZ(39.8136, 73.1892, 31.1080)

Have a look what the booklet for  
XYZ(39.8136, 73.1892, 31.1080)  
contains.

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# Color

**XYZ(39.8241, 73.1948,  
31.0979)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 1AFF7C                       |
| RGB         | 26, 255, 124                 |
| RGB Percent | 10%, 100%, 49%               |
| CMY         | 0.8980, 0.0000, 0.5137       |
| CMYK        | 0.90, 0.00, 0.51, 0.00       |
| HSL         | 146°, 100%, 55%              |
| HSV         | 146°, 90%, 100%              |
| XYZ         | 39.8241, 73.1948, 31.0979    |
| YIQ         | 171.5950, -94.4330, -89.2890 |

# Conversions

## Conversions Part 2

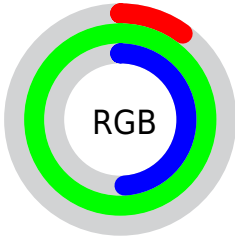
| <b>Format</b>                       | <b>Color</b>                     |
|-------------------------------------|----------------------------------|
| R <sub>Y</sub> B                    | 26, 186, 255                     |
| Decimal                             | 1769340                          |
| CIE Lab                             | 88.54, -76.46, 48.53             |
| CIE LCh                             | 89, 90.563, 147.596              |
| Yxy                                 | 73.1948, 0.2763,<br>0.5079       |
| Android<br>(android.graphics.Color) | 4279959420<br>(0xFF1AFF7C)       |
| YUV                                 | 171.5950, -23.4643,<br>-127.6868 |
| Hunter-Lab                          | 85.5540, -66.6303,<br>38.3365    |

# Details

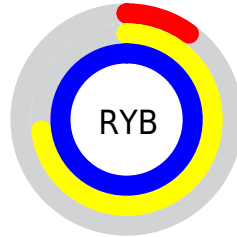
The XYZ color **39.8241, 73.1948, 31.0979** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **47.6958, 24.4337, 34.1028**, and the grayscale version is **39.1581, 41.1973, 44.8639**.

A 20% lighter version of the original color is **51.7818, 78.8396, 55.1362**, and **21.1036, 40.3874, 12.6445** is the 20% darker color. If you saturate the color by 10%, you get **38.5492, 72.6364, 26.5743**, and if you desaturate by 10%, it is **41.7814, 74.0892, 36.3683**.

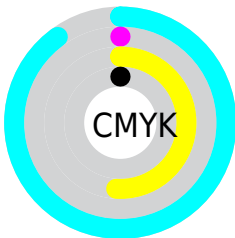
# Distribution



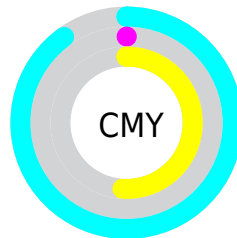
- Red (10%)
- Green (100%)
- Blue (49%)



- Red (10%)
- Yellow (73%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8241, 73.1948, 31.0979 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 39.8241, 73.1948, 31.0979 by changing the saturation by 10% instead.





 39.8241, 73.1948,  
31.0979


 39.8241, 73.1948,  
31.0979


336.5288,  
471.6897, 321.3542


 27.5850, 54.1353,  
20.4143


 74.1816, 123.7537,  
62.4756


 18.1519, 38.7098,  
12.5095


 97.0308, 156.0219,  
84.0067


 11.1595, 26.5341,  
6.9649


 124.1474,  
193.4617, 109.9908

 6.2423, 17.2236,  
3.3621

 155.8967,  
236.4576, 140.8464

 3.0350, 10.3940,  
1.2824

 192.6442,  
285.3940, 176.9920

 1.1723, 5.6610,  
0.0473

234.7551,

 0.0843, 2.6401,

340.6552, 218.8461

0.0000

282.5948,  
402.6256, 266.8274

■ 0.0000, 0.9468,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.8241, 73.1948,  
31.0979

■ 39.8241, 73.1948,  
31.0979

■ 38.5492, 72.6364,  
26.5743


■ 41.7814, 74.0892,  
36.3683

■ 38.5271, 72.6268,  
26.4912


■ 44.5858, 75.4040,  
42.4189


■ 48.3434, 77.1930,  
49.2835

■ 53.1435, 79.5019,  
56.9923

 59.0644, 82.3704,  
65.5740

 66.1767, 85.8344,  
75.0558

 74.5449, 89.9267,  
85.4637

 84.2288, 94.6776,  
96.8224

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.



51.8915, 73.1948, 13.6029



39.8241, 73.1948, 31.0979



35.5123, 73.1948, 74.7627

# Triad

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



39.8241, 73.1948, 31.0979



67.8246, 73.1948, 270.0591



113.7585, 73.1948, 35.9956

# Complementary

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



39.8241, 73.1948, 31.0979



47.6958, 24.4337, 34.1028

# 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.



120.4578, 73.1948, 84.8431



39.8241, 73.1948, 31.0979



90.8655, 73.1948, 240.6065

# Square

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



39.8241, 73.1948, 31.0979



49.4249, 73.1948, 230.2325



111.3336, 73.1948, 162.9637



94.5560, 73.1948, 15.2133



# Rectangle

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



39.8241, 73.1948, 31.0979



36.7565, 73.1948, 121.8076



111.3336, 73.1948, 162.9637



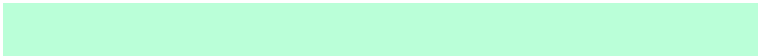
117.7025, 73.1948, 48.6178

# Sweetspot

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



39.8246, 73.1951, 31.0991



68.3910, 86.9158, 77.8761



50.3613, 79.0257, 13.5770



14.0635, 18.3228, 15.9348



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.



39.8246, 73.1951, 31.0991



38.5271, 72.6268, 26.4912



51.3145, 77.7911, 91.6046



18.0942, 20.2972, 20.7991



20.2024, 37.9776, 14.2172



2.0204, 3.7191, 1.6654



# Inverse Universe

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



47.6958, 24.4337, 34.1028



46.4186, 23.3314, 29.1999



42.0850, 22.1893, 4.5567



18.4449, 18.1613, 20.9599



24.3310, 12.2217, 15.6595

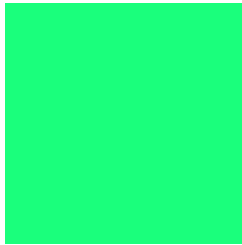


2.4238, 1.2119, 1.8130



# Previews

## White Background



This preview shows how the XYZ color 39.8241, 73.1948, 31.0979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

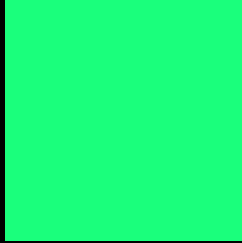
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.8241, 73.1948, 31.0979 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 39.8241, 73.1948, 31.0979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8241, 73.1948, 31.0979.



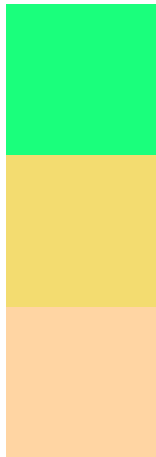
This preview shows how white text looks on a background with the XYZ color 39.8241, 73.1948,



# 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

39.8241, 73.1948, 31.0979

### Protanopia

65.4800, 71.4109, 25.6618

### Deuteranopia

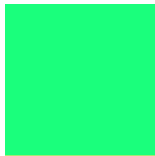
71.6451, 71.4928, 44.6737



## Tritanopia

56.9367, 72.6542, 105.6305

# Trichromacy



## Original Color

39.8241, 73.1948, 31.0979



## Protanomaly

47.6011, 67.4313, 27.0297



## Deuteranomaly

50.1815, 66.4274, 38.6107



## Tritanomaly

47.6377, 71.2811, 70.2793

# Monochromacy



## Original Color

39.8241, 73.1948, 31.0979



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

34.6447, 48.5296, 38.5515

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8241, 73.1948, 31.0979 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(26, 255, 124)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 124)  
}
```

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(26, 255, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8241, 73.1948, 31.0979 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(26, 255, 124) }
```



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

```
.border{ border-color:rgb(26, 255, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 255, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 124);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8241, 73.1948, 31.0979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 124) }
```

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

```
.background{ background-color: rgb(26, 255,  
124) }
```

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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