

# Converting Colors

XYZ(39.4346, 73.0392, 29.0417)

Have a look what the booklet for  
XYZ(39.4346, 73.0392, 29.0417)  
contains.

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# Color

**XYZ(39.4560, 73.0476,  
29.1596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AFF76
RGB	26, 255, 118
RGB Percent	10%, 100%, 46%
CMY	0.8980, 0.0000, 0.5372
CMYK	0.90, 0.00, 0.54, 0.00
HSL	144°, 100%, 55%
HSV	144°, 90%, 100%
XYZ	39.4560, 73.0476, 29.1596
YIQ	170.9110, -92.5070, -91.1550

# Conversions

## Conversions Part 2

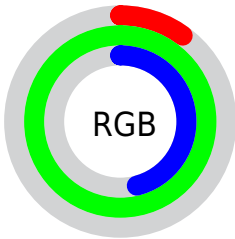
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	26, 189, 255
Decimal	1769334
CIE <sub>Lab</sub>	88.47, -77.32, 51.21
CIE <sub>LCh</sub>	88, 92.735, 146.483
Yxy	73.0476, 0.2785, 0.5156
Android (android.graphics.Color)	4279959414 (0xFF1AFF76)
YUV	170.9110, -26.0851, -127.0869
Hunter-Lab	85.4679, -67.1648, 39.5992

# Details

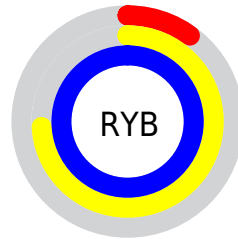
The XYZ color **39.4560, 73.0476, 29.1596** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **48.2206, 24.6435, 36.8666**, and the grayscale version is **38.8249, 40.8468, 44.4822**.

A 20% lighter version of the original color is **51.1880, 78.6021, 52.0090**, and **20.9204, 40.3142, 11.6798** is the 20% darker color. If you saturate the color by 10%, you get **38.2019, 72.4975, 24.7458**, and if you desaturate by 10%, it is **41.4025, 73.9377, 34.3736**.

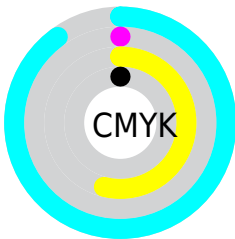
# Distribution



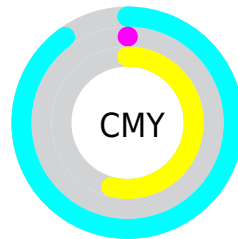
- Red (10%)
- Green (100%)
- Blue (46%)



- Red (10%)
- Yellow (74%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4560, 73.0476, 29.1596 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 39.4560, 73.0476, 29.1596 by changing the saturation by 10% instead.





 39.4560, 73.0476,  
29.1596


 39.4560, 73.0476,  
29.1596


334.9992,  
471.1798, 312.0517


 27.2970, 54.0149,  
18.9550


 73.6240, 123.5448,  
59.3758


 17.9341, 38.6136,  
11.4613


 96.3638, 155.7780,  
80.2244


 11.0021, 26.4592,  
6.2599


 123.3611,  
193.1803, 105.4581

 6.1356, 17.1675,  
2.9324

 154.9814,  
236.1359, 135.4954

 2.9691, 10.3540,  
1.0602

 191.5900,  
285.0292, 170.7549

 1.1375, 5.6343,  
0.0000

233.5522,

 0.0561, 2.6240,

340.2447, 211.6551

0.0000

281.2335,  
402.1668, 258.6145

■ 0.0000, 0.9387,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.4560, 73.0476,  
29.1596

■ 39.4560, 73.0476,  
29.1596

■ 38.2019, 72.4975,  
24.7458


■ 41.4025, 73.9377,  
34.3736


■ 38.1804, 72.4882,  
24.6658


■ 44.2072, 75.2525,  
40.4263


■ 47.9771, 77.0465,  
47.3560

■ 52.8023, 79.3654,  
55.1975

 58.7618, 82.2494,  
63.9832

 65.9270, 85.7345,  
73.7441

 74.3631, 89.8539,  
84.5096

 84.1303, 94.6381,  
96.3078

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.



52.0041, 73.0476, 12.4671



39.4560, 73.0476, 29.1596



34.8131, 73.0476, 72.2366

# Triad

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



39.4560, 73.0476, 29.1596



66.8316, 73.0476, 275.9549



115.3349, 73.0476, 36.3691

# Complementary

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



39.4560, 73.0476, 29.1596



48.2206, 24.6435, 36.8666

# 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.



121.6469, 73.0476, 87.3121



39.4560, 73.0476, 29.1596



90.3684, 73.0476, 247.9459

# Square

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



39.4560, 73.0476, 29.1596



48.3353, 73.0476, 232.2108



111.6837, 73.0476, 168.4818



95.9106, 73.0476, 14.7885



# Rectangle

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



39.4560, 73.0476, 29.1596



35.8856, 73.0476, 119.7325



111.6837, 73.0476, 168.4818



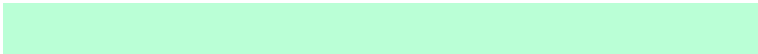
119.2185, 73.0476, 49.5240

# Sweetspot

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



39.4564, 73.0478, 29.1608



68.1595, 86.8233, 76.6576



51.1333, 79.4237, 13.6129



14.0094, 18.3012, 15.6501



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.



39.4564, 73.0478, 29.1608



38.1804, 72.4882, 24.6658



50.7659, 77.5716, 88.7161



18.0739, 20.2891, 20.6923



20.0191, 37.9042, 13.2517



2.0015, 3.7115, 1.5656



# Inverse Universe

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



48.2206, 24.6435, 36.8666



46.9530, 23.5452, 32.0144



42.1619, 22.2200, 4.9620



18.4656, 18.1696, 21.0691



24.6098, 12.3332, 17.1274

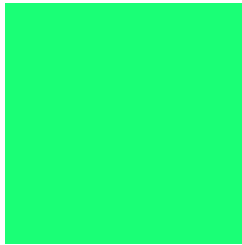


2.4502, 1.2225, 1.9523



# Previews

## White Background



This preview shows how the XYZ color 39.4560, 73.0476, 29.1596 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 39.4560, 73.0476, 29.1596 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 39.4560, 73.0476, 29.1596**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.4560, 73.0476, 29.1596.



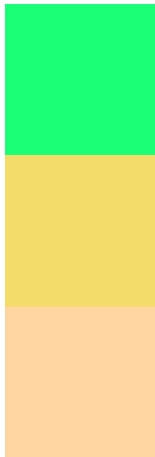
This preview shows how white text looks on a background with the XYZ color 39.4560, 73.0476,



# 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

39.4560, 73.0476, 29.1596

### Protanopia

65.1569, 71.2817, 23.9603

### Deuteranopia

71.4673, 71.4217, 43.7373



## Tritanopia

56.7929, 72.5800, 105.6238

# Trichromacy



## Original Color

39.4560, 73.0476, 29.1596



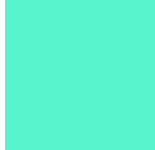
## Protanomaly

47.2632, 67.2961, 25.2503



## Deuteranomaly

49.8675, 66.3018, 36.9573



## Tritanomaly

47.3946, 71.1839, 68.9995

# Monochromacy



## Original Color

39.4560, 73.0476, 29.1596



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

34.2592, 48.3596, 37.2345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4560, 73.0476, 29.1596 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4560, 73.0476, 29.1596 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, 118) }
```



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

```
.border{ border-color:rgb(26, 255, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4560, 73.0476, 29.1596 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, 118) }
```

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

```
.background{ background-color: rgb(26, 255,  
118) }
```

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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