

# Converting Colors

XYZ(39.8726, 73.3228, 26.4513)

Have a look what the booklet for  
XYZ(39.8726, 73.3228, 26.4513)  
contains.

<b>XYZ(39.8856, 73.3279, 26.5195)</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(39.8856, 73.3279,  
26.5195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FF6D
RGB	51, 255, 109
RGB Percent	20%, 100%, 43%
CMY	0.8000, 0.0000, 0.5725
CMYK	0.80, 0.00, 0.57, 0.00
HSL	137°, 100%, 60%
HSV	137°, 80%, 100%
XYZ	39.8856, 73.3279, 26.5195
YIQ	177.3600, -74.7180, -88.6540

# Conversions

## Conversions Part 2

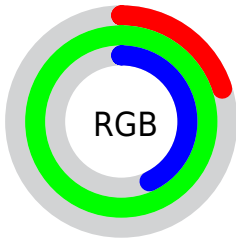
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 210, 255
Decimal	3407725
CIELab	88.60, -76.54, 55.45
CIELCh	89, 94.517, 144.079
Yxy	73.3279, 0.2854, 0.5248
Android (android.graphics.Color)	4281597805 (0xFF33FF6D)
YUV	177.3600, -33.7015, -110.8177
Hunter-Lab	85.6317, -66.7136, 41.5805

# Details

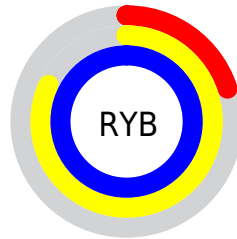
The XYZ color **39.8856, 73.3279, 26.5195** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **52.5021, 27.6593, 55.3950**, and the grayscale version is **42.1799, 44.3766, 48.3261**.

A 20% lighter version of the original color is **51.8209, 79.0256, 47.6442**, and **20.6321, 40.1988, 10.1618** is the 20% darker color. If you saturate the color by 10%, you get **38.0512, 72.4842, 21.8274**, and if you desaturate by 10%, it is **42.6281, 74.6162, 32.3212**.

# Distribution



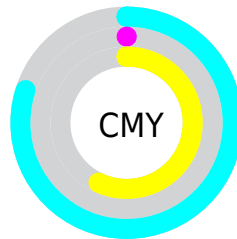
- Red (20%)
- Green (100%)
- Blue (43%)



- Red (20%)
- Yellow (82%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8856, 73.3279, 26.5195 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 39.8856, 73.3279, 26.5195 by changing the saturation by 10% instead.





 39.8856, 73.3279,  
26.5195


 39.8856, 73.3279,  
26.5195


336.7839,  
472.1505, 299.0093


 27.6332, 54.2441,  
16.9834


 74.2747, 123.9426,  
55.1062

 18.1884, 38.7969,  
10.0609


 97.1421, 156.2423,  
74.9939

 11.1858, 26.6017,  
5.3332


 124.2786,  
193.7161, 99.1692

 6.2602, 17.2743,  
2.3819

 156.0494,  
236.7484, 128.0507

 3.0461, 10.4303,  
0.7766

192.8200,  
285.7236, 162.0569

 1.1782, 5.6852,  
0.0000

234.9557,

 0.0890, 2.6546,

341.0261, 201.6064

0.0000

282.8219,  
403.0402, 247.1177

■ 0.0000, 0.9542,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.8856, 73.3279,  
26.5195

■ 39.8856, 73.3279,  
26.5195

■ 38.0512, 72.4842,  
21.8274

■ 42.6281, 74.6162,  
32.3212

■ 36.9463, 71.9945,  
18.1666

■ 46.3898, 76.4049,  
39.2949

■ 36.9461, 71.9944,  
18.1660

■ 51.2663, 78.7423,  
47.5022

■ 57.3416, 81.6703,  
56.9996

■ 64.6910, 85.2267,  
67.8399

■ 73.3839, 89.4463,  
80.0727

■ 83.4843, 94.3611,  
93.7453

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.



53.2993, 73.3279, 11.3258



39.8856, 73.3279, 26.5195



34.5577, 73.3279, 67.5791

# Triad

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



39.8856, 73.3279, 26.5195



65.2713, 73.3279, 281.0942



117.8602, 73.3279, 38.7975

# Complementary

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



39.8856, 73.3279, 26.5195



52.5021, 27.6593, 55.3950

# 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.



123.0150, 73.3279, 93.5044



39.8856, 73.3279, 26.5195



89.1514, 73.3279, 258.0278

# Square

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



39.8856, 73.3279, 26.5195



47.0144, 73.3279, 230.7432



111.5577, 73.3279, 178.4489



98.7025, 73.3279, 15.2259



# Rectangle

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



39.8856, 73.3279, 26.5195



35.2404, 73.3279, 114.4346



111.5577, 73.3279, 178.4489



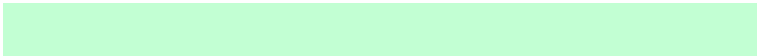
121.4405, 73.3279, 53.0339

# Sweetspot

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



39.8860, 73.3281, 26.5207



69.7398, 87.6761, 75.0073



59.4363, 83.6566, 16.1472



14.2726, 18.4486, 15.1303



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.



39.8860, 73.3281, 26.5207



37.3283, 72.1621, 19.5122



48.8584, 76.9171, 73.7686



17.9839, 20.2531, 20.2180



19.3601, 37.6406, 9.7815



1.9295, 3.6827, 1.1868



# Inverse Universe

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



52.5021, 27.6593, 55.3950



50.1498, 25.0011, 48.3025



44.4988, 24.4580, 13.2505



18.5595, 18.2071, 21.5635



26.0551, 12.9113, 24.7384

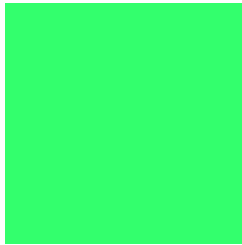


2.5839, 1.2759, 2.6562



# Previews

## White Background



This preview shows how the XYZ color 39.8856, 73.3279, 26.5195 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 39.8856, 73.3279, 26.5195 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 39.8856, 73.3279, 26.5195**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8856, 73.3279, 26.5195.



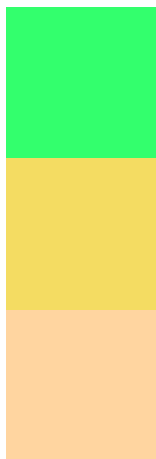
This preview shows how white text looks on a background with the XYZ color 39.8856, 73.3279,



# 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

39.8856, 73.3279, 26.5195

### Protanopia

65.1060, 71.3013, 21.8864

### Deuteranopia

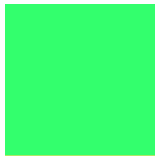
71.3794, 71.3866, 43.2746



## Tritanopia

57.2363, 72.3776, 105.5613

# Trichromacy



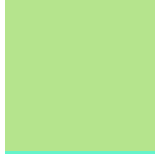
## Original Color

39.8856, 73.3279, 26.5195



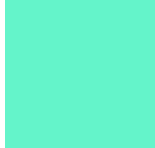
## Protanomaly

48.9927, 68.2358, 23.1590



## Deuteranomaly

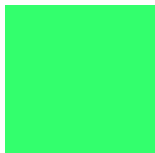
51.6072, 67.2336, 35.4567



## Tritanomaly

48.2669, 71.6750, 67.1678

# Monochromacy



## Original Color

39.8856, 73.3279, 26.5195



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

36.8589, 50.7549, 37.5598

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8856, 73.3279, 26.5195 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(51, 255, 109)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 109)  
}
```

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(51, 255, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8856, 73.3279, 26.5195 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(51, 255, 109) }
```



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

```
.border{ border-color:rgb(51, 255, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 109);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8856, 73.3279, 26.5195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 109) }
```

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

```
.background{ background-color: rgb(51, 255,  
109) }
```

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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