

# Converting Colors

XYZ(39.7398, 73.2696, 25.7519)

Have a look what the booklet for  
XYZ(39.7398, 73.2696, 25.7519)  
contains.

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# Color

**XYZ(39.7268, 73.2644,  
25.6833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FF6A
RGB	51, 255, 106
RGB Percent	20%, 100%, 42%
CMY	0.8000, 0.0000, 0.5843
CMYK	0.80, 0.00, 0.58, 0.00
HSL	136°, 100%, 60%
HSV	136°, 80%, 100%
XYZ	39.7268, 73.2644, 25.6833
YIQ	177.0180, -73.7550, -89.5870

# Conversions

## Conversions Part 2

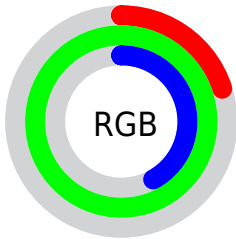
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 212, 255
Decimal	3407722
CIELab	88.57, -76.91, 56.73
CIELCh	89, 95.566, 143.589
Yxy	73.2644, 0.2865, 0.5283
Android (android.graphics.Color)	4281597802 (0xFF33FF6A)
YUV	177.0180, -35.0119, -110.5178
Hunter-Lab	85.5946, -66.9439, 42.1258

# Details

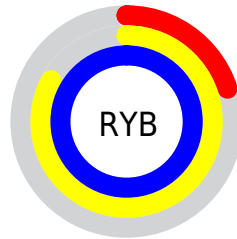
The XYZ color **39.7268, 73.2644, 25.6833** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **52.8493, 27.7981, 57.2234**, and the grayscale version is **42.0059, 44.1934, 48.1266**.

A 20% lighter version of the original color is **51.5531, 78.9185, 46.2339**, and **20.5638, 40.1715, 9.8020** is the 20% darker color. If you saturate the color by 10%, you get **37.9093, 72.4275, 21.0802**, and if you desaturate by 10%, it is **42.4587, 74.5484, 31.4295**.

# Distribution



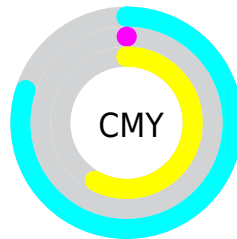
- Red (20%)
- Green (100%)
- Blue (42%)



- Red (20%)
- Yellow (83%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7268, 73.2644, 25.6833 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 39.7268, 73.2644, 25.6833 by changing the saturation by 10% instead.





 39.7268, 73.2644,  
25.6833


 39.7268, 73.2644,  
25.6833


336.1249,  
471.9307, 294.7798

 27.5089, 54.1922,  
16.3632


 74.0343, 123.8525,  
53.7414


 18.0943, 38.7553,  
9.6244


 96.8546, 156.1372,  
73.3165

 11.1178, 26.5694,  
5.0483


 123.9397,  
193.5948, 97.1470

 6.2140, 17.2501,  
2.2164

 155.6549,  
236.6097, 125.6515

 3.0175, 10.4130,  
0.6838

192.3658,  
285.5664, 159.2484

 1.1630, 5.6736,  
0.0000

234.4374,

 0.0769, 2.6477,

340.8491, 198.3565

0.0000

282.2354,  
402.8424, 243.3941

0.0000, 0.9507,  
0.0000

0.0000, 0.0000,  
0.0000

39.7268, 73.2644,  
25.6833

39.7268, 73.2644,  
25.6833

37.9093, 72.4275,  
21.0802

42.4587, 74.5484,  
31.4295

36.8266, 71.9467,  
17.5365

46.2171, 76.3359,  
38.3860

36.8265, 71.9466,  
17.5361

51.0984, 78.6751,  
46.6186

57.1872, 81.6085,  
56.1874

■ 64.5596, 85.1742,  
67.1486

■ 73.2855, 89.4069,  
79.5551

■ 83.4294, 94.3391,  
93.4572

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.



53.3727, 73.2644, 10.8487



39.7268, 73.2644, 25.6833



34.2432, 73.2644, 66.4301

# Triad

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



39.7268, 73.2644, 25.6833



64.8061, 73.2644, 283.8799



118.6237, 73.2644, 39.0173

# Complementary

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



39.7268, 73.2644, 25.6833



52.8493, 27.7981, 57.2234

# 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.



123.5748, 73.2644, 94.7915



39.7268, 73.2644, 25.6833



88.9060, 73.2644, 261.6312

# Square

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



39.7268, 73.2644, 25.6833



46.5150, 73.2644, 231.5935



111.7083, 73.2644, 181.2391



99.3733, 73.2644, 15.0421



# Rectangle

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



39.7268, 73.2644, 25.6833



34.8466, 73.2644, 113.4412



111.7083, 73.2644, 181.2391



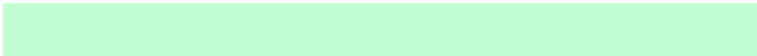
122.1688, 73.2644, 53.5268

# Sweetspot

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



39.7272, 73.2646, 25.6845



69.6272, 87.6310, 74.4140



60.3379, 84.1213, 16.1893



14.2461, 18.4380, 14.9904



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.



39.7272, 73.2646, 25.6845



37.1992, 72.1104, 18.8324



48.4370, 76.7485, 71.5498



17.9727, 20.2486, 20.1592



19.2954, 37.6148, 9.4410



1.9220, 3.6797, 1.1470



# Inverse Universe

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



52.8493, 27.7981, 57.2234



50.5358, 25.1555, 50.3350



44.6572, 24.5213, 14.0845



18.5714, 18.2119, 21.6259



26.2593, 12.9930, 25.8136

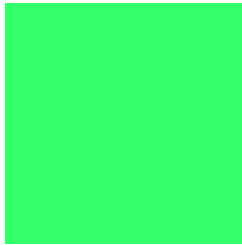


2.6024, 1.2833, 2.7538



# Previews

## White Background



This preview shows how the XYZ color 39.7268, 73.2644, 25.6833 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 39.7268, 73.2644, 25.6833 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 39.7268, 73.2644, 25.6833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7268, 73.2644, 25.6833.



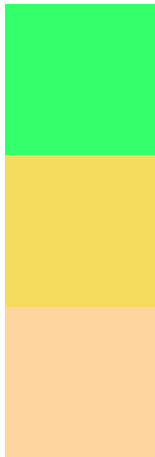
This preview shows how white text looks on a background with the XYZ color 39.7268, 73.2644,



# 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

39.7268, 73.2644, 25.6833

### Protanopia

65.3149, 71.4251, 21.1704

### Deuteranopia

71.2923, 71.3517, 42.8156



## Tritanopia

57.2363, 72.3776, 105.5613

# Trichromacy



## Original Color

39.7268, 73.2644, 25.6833



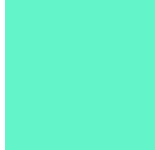
## Protanomaly

48.8466, 68.1774, 22.3894



## Deuteranomaly

51.5331, 67.2040, 35.0665



## Tritanomaly

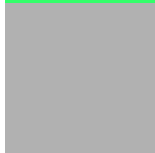
48.1488, 71.6277, 66.5462

# Monochromacy



## Original Color

39.7268, 73.2644, 25.6833



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

36.7773, 50.7223, 37.1302

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7268, 73.2644, 25.6833 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7268, 73.2644, 25.6833 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, 106) }
```



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

```
.border{ border-color:rgb(51, 255, 106) }
```

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, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7268, 73.2644, 25.6833 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, 106) }
```

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

```
.background{ background-color: rgb(51, 255,  
106) }
```

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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