

# Converting Colors

XYZ(39.6706, 73.2420, 25.3878)

Have a look what the booklet for  
XYZ(39.6706, 73.2420, 25.3878)  
contains.

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# Color

**XYZ(39.6750, 73.2437,  
25.4110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FF69
RGB	51, 255, 105
RGB Percent	20%, 100%, 41%
CMY	0.8000, 0.0000, 0.5882
CMYK	0.80, 0.00, 0.59, 0.00
HSL	136°, 100%, 60%
HSV	136°, 80%, 100%
XYZ	39.6750, 73.2437, 25.4110
YIQ	176.9040, -73.4340, -89.8980

# Conversions

## Conversions Part 2

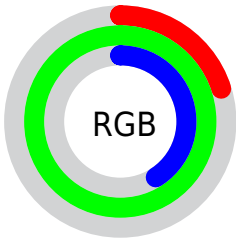
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 212, 255
Decimal	3407721
CIELab	88.56, -77.03, 57.15
CIELCh	89, 95.913, 143.429
Yxy	73.2437, 0.2868, 0.5295
Android (android.graphics.Color)	4281597801 (0xFF33FF69)
YUV	176.9040, -35.4487, -110.4178
Hunter-Lab	85.5825, -67.0190, 42.3035

# Details

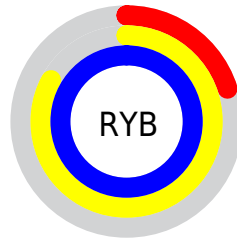
The XYZ color **39.6750, 73.2437, 25.4110** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **52.9662, 27.8447, 57.8395**, and the grayscale version is **41.9476, 44.1321, 48.0599**.

A 20% lighter version of the original color is **51.4652, 78.8834, 45.7712**, and **20.5206, 40.1543, 9.5747** is the 20% darker color. If you saturate the color by 10%, you get **37.8634, 72.4091, 20.8388**, and if you desaturate by 10%, it is **42.4031, 74.5261, 31.1375**.

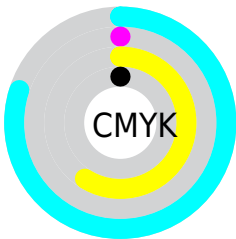
# Distribution



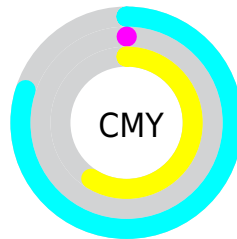
- Red (20%)
- Green (100%)
- Blue (41%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (59%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6750, 73.2437, 25.4110 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 39.6750, 73.2437, 25.4110 by changing the saturation by 10% instead.





 39.6750, 73.2437,  
25.4110


 39.6750, 73.2437,  
25.4110


335.9098,  
471.8590, 293.3915

 27.4683, 54.1753,  
16.1617


 73.9559, 123.8231,  
53.2956


 18.0637, 38.7418,  
9.4831


 96.7607, 156.1029,  
72.7679

 11.0957, 26.5589,  
4.9565


 123.8291,  
193.5552, 96.4851

 6.1990, 17.2422,  
2.1635

 155.5262,  
236.5645, 124.8656

 3.0083, 10.4074,  
0.6532

192.2175,  
285.5151, 158.3279

 1.1581, 5.6699,  
0.0000

234.2683,

 0.0729, 2.6454,

340.7915, 197.2907

0.0000

282.0439,  
402.7780, 242.1724

0.0000, 0.9495,  
0.0000

0.0000, 0.0000,  
0.0000

39.6750, 73.2437,  
25.4110

39.6750, 73.2437,  
25.4110

37.8634, 72.4091,  
20.8388

42.4031, 74.5261,  
31.1375

36.7884, 71.9314,  
17.3352

46.1601, 76.3130,  
38.0869

36.7883, 71.9313,  
17.3350

51.0427, 78.6528,  
46.3267

57.1357, 81.5879,  
55.9182

■ 64.5155, 85.1564,  
66.9187

■ 73.2521, 89.3935,  
79.3824

■ 83.4103, 94.3314,  
93.3602

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.



53.3976, 73.2437, 10.6943



39.6750, 73.2437, 25.4110



34.1402, 73.2437, 66.0528

# Triad

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



39.6750, 73.2437, 25.4110



64.6528, 73.2437, 284.8018



118.8767, 73.2437, 39.0912

# Complementary

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



39.6750, 73.2437, 25.4110



52.9662, 27.8447, 57.8395

# 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.



123.7598, 73.2437, 95.2207



39.6750, 73.2437, 25.4110



88.8247, 73.2437, 262.8282

# Square

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



39.6750, 73.2437, 25.4110



46.3510, 73.2437, 231.8722



111.7576, 73.2437, 182.1682



99.5960, 73.2437, 14.9824



# Rectangle

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



39.6750, 73.2437, 25.4110



34.7176, 73.2437, 113.1129



111.7576, 73.2437, 182.1682



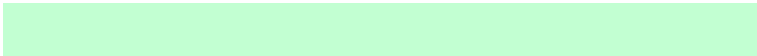
122.4100, 73.2437, 53.6916

# Sweetspot

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



39.6754, 73.2439, 25.4122



69.5898, 87.6161, 74.2173



61.2595, 84.5965, 16.2322



14.2373, 18.4345, 14.9440



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.



39.6754, 73.2439, 25.4122



37.1578, 72.0939, 18.6144



48.0244, 76.5835, 69.3779



17.9690, 20.2471, 20.1396



19.2747, 37.6065, 9.3321



1.9195, 3.6787, 1.1341



# Inverse Universe

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



52.9662, 27.8447, 57.8395



50.6664, 25.2077, 51.0227



44.8222, 24.5871, 14.9541



18.5753, 18.2134, 21.6467



26.3284, 13.0207, 26.1776

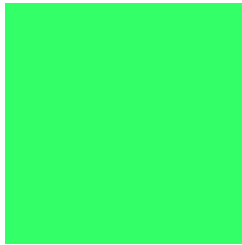


2.6087, 1.2858, 2.7867



# Previews

## White Background



This preview shows how the XYZ color 39.6750, 73.2437, 25.4110 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 39.6750, 73.2437, 25.4110 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 39.6750, 73.2437, 25.4110**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6750, 73.2437, 25.4110.



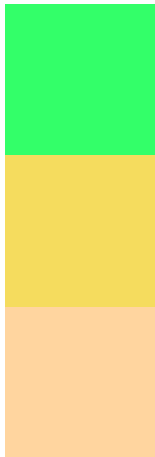
This preview shows how white text looks on a background with the XYZ color 39.6750, 73.2437,



# 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

39.6750, 73.2437, 25.4110

### Protanopia

65.2698, 71.4070, 20.9325

### Deuteranopia

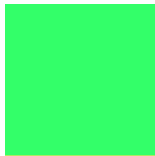
71.2923, 71.3517, 42.8156



## Tritanopia

57.0866, 72.3004, 105.5543

# Trichromacy



## Original Color

39.6750, 73.2437, 25.4110



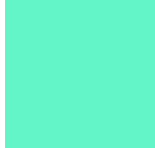
## Protanomaly

48.7991, 68.1583, 22.1392



## Deuteranomaly

51.4597, 67.1746, 34.6799



## Tritanomaly

47.9216, 71.5241, 65.9234

# Monochromacy



## Original Color

39.6750, 73.2437, 25.4110



## 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 39.6750, 73.2437, 25.4110 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6750, 73.2437, 25.4110 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, 105) }
```



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

```
.border{ border-color:rgb(51, 255, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 105);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
105) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6750, 73.2437, 25.4110 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, 105) }
```

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

```
.background{ background-color: rgb(51, 255,  
105) }
```

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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