

Converting Colors

XYZ(39.6087, 73.2172, 25.0617)

Have a look what the booklet for
XYZ(39.6087, 73.2172, 25.0617)
contains.

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Color

**XYZ(39.6239, 73.2233,
25.1418)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF68
RGB	51, 255, 104
RGB Percent	20%, 100%, 41%
CMY	0.8000, 0.0000, 0.5921
CMYK	0.80, 0.00, 0.59, 0.00
HSL	136°, 100%, 60%
HSV	136°, 80%, 100%
XYZ	39.6239, 73.2233, 25.1418
YIQ	176.7900, -73.1130, -90.2090

Conversions

Conversions Part 2

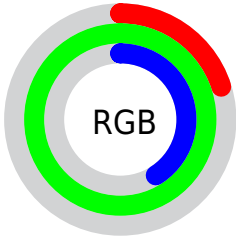
Format	Color
RYB	51, 213, 255
Decimal	3407720
CIELab	88.55, -77.15, 57.57
CIELCh	89, 96.258, 143.270
Yxy	73.2233, 0.2872, 0.5306
Android (android.graphics.Color)	4281597800 (0xFF33FF68)
YUV	176.7900, -35.8855, -110.3178
Hunter-Lab	85.5706, -67.0933, 42.4792

Details

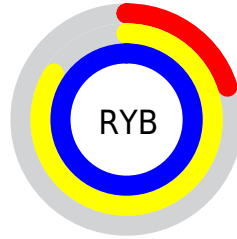
The XYZ color **39.6239, 73.2233, 25.1418** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **53.0842, 27.8919, 58.4611**, and the grayscale version is **41.8897, 44.0712, 47.9936**.

A 20% lighter version of the original color is **51.3781, 78.8485, 45.3123**, and **20.4998, 40.1459, 9.4648** is the 20% darker color. If you saturate the color by 10%, you get **37.8182, 72.3910, 20.6010**, and if you desaturate by 10%, it is **42.3481, 74.5041, 30.8479**.

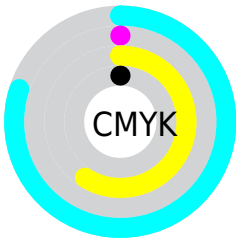
Distribution



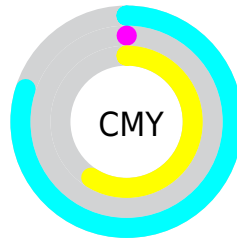
- Red (20%)
- Green (100%)
- Blue (41%)



- Red (20%)
- Yellow (84%)
- 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 39.6239, 73.2233, 25.1418 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 39.6239, 73.2233, 25.1418 by changing the saturation by 10% instead.


 39.6239, 73.2233,
25.1418


 39.6239, 73.2233,
25.1418


335.6975,
471.7884, 292.0136


 27.4283, 54.1586,
15.9628


 73.8784, 123.7942,
52.8541


 18.0334, 38.7285,
9.3437


 96.6681, 156.0691,
72.2245

 11.0738, 26.5485,
4.8662


 123.7199,
193.5162, 95.8291

 6.1842, 17.2345,
2.1116

 155.3991,
236.5199, 124.0864

 2.9991, 10.4018,
0.6227

192.0711,
285.4646, 157.4149

 1.1533, 5.6662,
0.0000

234.1013,

 0.0690, 2.6432,

340.7346, 196.2333

0.0000

281.8550,
402.7144, 240.9600

■ 0.0000, 0.9484,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6239, 73.2233,
25.1418

■ 39.6239, 73.2233,
25.1418

■ 37.8182, 72.3910,
20.6010

■ 42.3481, 74.5041,
30.8479

■ 36.7509, 71.9164,
17.1381

■ 46.1036, 76.2905,
37.7899

■ 36.7509, 71.9164,
17.1379

■ 50.9875, 78.6307,
46.0364

■ 57.0848, 81.5675,
55.6503

■ 64.4720, 85.1391,
66.6900

■ 73.2194, 89.3804,
79.2106

■ 83.3921, 94.3241,
93.2644

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.



53.4229, 73.2233, 10.5423



39.6239, 73.2233, 25.1418



34.0382, 73.2233, 65.6780

Triad

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



39.6239, 73.2233, 25.1418



64.5003, 73.2233, 285.7201



119.1290, 73.2233, 39.1658

Complementary

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



39.6239, 73.2233, 25.1418



53.0842, 27.8919, 58.4611

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.



123.9440, 73.2233, 95.6505



39.6239, 73.2233, 25.1418



88.7436, 73.2233, 264.0232

Square

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



39.6239, 73.2233, 25.1418



46.1881, 73.2233, 232.1478



111.8064, 73.2233, 183.0971



99.8185, 73.2233, 14.9235

Rectangle

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



39.6239, 73.2233, 25.1418



34.5896, 73.2233, 112.7856



111.8064, 73.2233, 183.0971



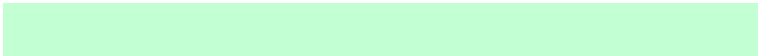
122.6503, 73.2233, 53.8570

Sweetspot

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



39.6242, 73.2234, 25.1430



69.5525, 87.6011, 74.0205



61.2595, 84.5964, 16.2322



14.2285, 18.4310, 14.8977



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.



39.6242, 73.2234, 25.1430



37.1171, 72.0776, 18.4001



48.0244, 76.5835, 69.3779



17.9653, 20.2456, 20.1200



19.2544, 37.5984, 9.2251



1.9171, 3.6778, 1.1214

Inverse Universe

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



53.0842, 27.8919, 58.4611



50.7983, 25.2605, 51.7174



44.8222, 24.5871, 14.9540



18.5793, 18.2150, 21.6676



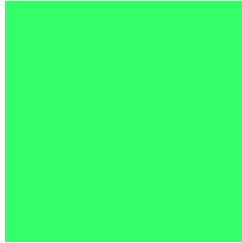
26.3983, 13.0486, 26.5454



2.6150, 1.2884, 2.8199

Previews

White Background



This preview shows how the XYZ color 39.6239, 73.2233, 25.1418 looks on a white background.

Color Contrast Check

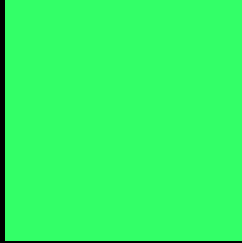
Large Text (above 18pt) WCAG AA × Fail

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 39.6239, 73.2233, 25.1418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

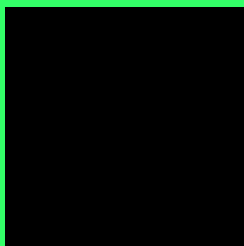
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.6239, 73.2233, 25.1418

Background



This preview shows how black text looks on a background with the XYZ color 39.6239, 73.2233, 25.1418.

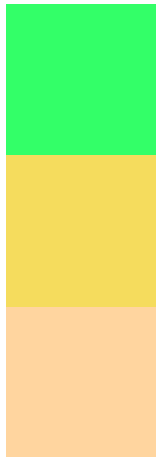


This preview shows how white text looks on a background with the XYZ color 39.6239, 73.2233,

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

39.6239, 73.2233, 25.1418

Protanopia

65.2252, 71.3892, 20.6977

Deuteranopia

71.2923, 71.3517, 42.8156



Tritanopia

57.0866, 72.3004, 105.5543

Trichromacy



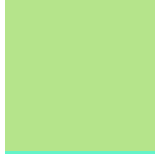
Original Color

39.6239, 73.2233, 25.1418



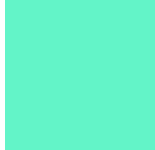
Protanomaly

48.7521, 68.1396, 21.8920



Deuteranomaly

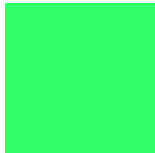
51.4597, 67.1746, 34.6799



Tritanomaly

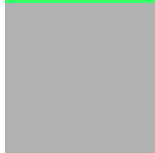
47.9216, 71.5241, 65.9234

Monochromacy



Original Color

39.6239, 73.2233, 25.1418



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

36.6964, 50.6899, 36.7042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.6239, 73.2233, 25.1418 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, 104)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 104)  
}
```

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, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 104) }
```

Border

The CSS property to change the border of an element to XYZ 39.6239, 73.2233, 25.1418 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, 104) }
```


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

```
.border{ border-color:rgb(51, 255, 104) }
```

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, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 104);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 39.6239, 73.2233, 25.1418 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, 104) }
```

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

```
.background{ background-color: rgb(51, 255,  
104) }
```

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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