

Converting Colors

XYZ(39.8837, 73.3301, 26.3765)

Have a look what the booklet for
XYZ(39.8837, 73.3301, 26.3765)
contains.

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Color

**XYZ(39.8829, 73.3328,
26.2400)**

Conversions

Conversions Part 1

Format	Color
Hex	34FF6C
RGB	52, 255, 108
RGB Percent	20%, 100%, 42%
CMY	0.7961, 0.0000, 0.5765
CMYK	0.80, 0.00, 0.58, 0.00
HSL	137°, 100%, 60%
HSV	137°, 80%, 100%
XYZ	39.8829, 73.3328, 26.2400
YIQ	177.5450, -73.8010, -88.7530

Conversions

Conversions Part 2

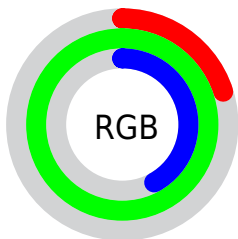
Format	Color
RYB	52, 211, 255
Decimal	3473260
CIELab	88.61, -76.56, 55.90
CIELCh	89, 94.793, 143.868
Yxy	73.3328, 0.2860, 0.5259
Android (android.graphics.Color)	4281663340 (0xFF34FF6C)
YUV	177.5450, -34.2857, -110.1030
Hunter-Lab	85.6346, -66.7270, 41.7767

Details

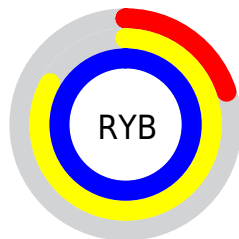
The XYZ color **39.8829, 73.3328, 26.2400** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **52.7764, 27.8394, 56.6226**, and the grayscale version is **42.2797, 44.4816, 48.4404**.

A 20% lighter version of the original color is **51.8866, 79.0699, 47.1776**, and **20.6089, 40.1895, 10.0393** is the 20% darker color. If you saturate the color by 10%, you get **38.0248, 72.4766, 21.5556**, and if you desaturate by 10%, it is **42.6574, 74.6372, 32.0560**.

Distribution



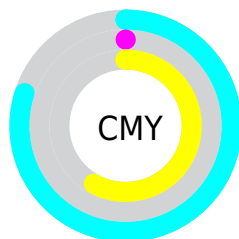
- Red (20%)
- Green (100%)
- Blue (42%)



- 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 39.8829, 73.3328, 26.2400 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 39.8829, 73.3328, 26.2400 by changing the saturation by 10% instead.


 39.8829, 73.3328,
26.2400


 39.8829, 73.3328,
26.2400


336.7727,
472.1674, 297.6011


 27.6311, 54.2481,
16.7759


 74.2706, 123.9495,
54.6507


 18.1868, 38.8001,
9.9146


 97.1372, 156.2504,
74.4344

 11.1847, 26.6042,
5.2375


 124.2728,
193.7255, 98.4950

 6.2594, 17.2762,
2.3261

 156.0427,
236.7591, 127.2511

 3.0456, 10.4316,
0.7458

192.8123,
285.7357, 161.1212

 1.1779, 5.6861,
0.0000

234.9469,

 0.0888, 2.6551,

341.0397, 200.5239

0.0000

282.8119,
403.0555, 245.8777

■ 0.0000, 0.9545,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.8829, 73.3328,
26.2400

■ 39.8829, 73.3328,
26.2400

■ 38.0248, 72.4766,
21.5556

■ 42.6574, 74.6372,
32.0560

■ 36.9122, 71.9823,
17.9223

■ 46.4594, 76.4459,
39.0684

■ 36.8766, 71.9666,
17.7997

■ 51.3843, 78.8068,
47.3413

■ 57.5161, 81.7619,
56.9328

■ 64.9303, 85.3490,
67.8976

■ 73.6962, 89.6029,
80.2870

■ 83.8781, 94.5556,
94.1500

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.



53.3832, 73.3328, 11.1855



39.8829, 73.3328, 26.2400



34.4914, 73.3328, 67.1385

Triad

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



39.8829, 73.3328, 26.2400



65.1091, 73.3328, 281.8393



118.1264, 73.3328, 38.9703

Complementary

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



39.8829, 73.3328, 26.2400



52.7764, 27.8394, 56.6226

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.



123.1832, 73.3328, 94.0657



39.8829, 73.3328, 26.2400



89.0443, 73.3328, 259.1852

Square

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



39.8829, 73.3328, 26.2400



46.8596, 73.3328, 230.8038



111.5759, 73.3328, 179.4688



98.9684, 73.3328, 15.2195

Rectangle

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



39.8829, 73.3328, 26.2400



35.1397, 73.3328, 113.9837



111.5759, 73.3328, 179.4688



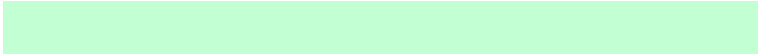
121.6840, 73.3328, 53.3129

Sweetspot

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



39.8832, 73.3329, 26.2412



69.6751, 87.6502, 74.6664



60.4315, 84.1670, 16.3097



14.2574, 18.4425, 15.0499



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.



39.8832, 73.3329, 26.2412



37.2534, 72.1321, 19.1176



48.5163, 76.7861, 71.7025



17.9774, 20.2505, 20.1842



19.3225, 37.6256, 9.5836



1.9252, 3.6810, 1.1638

Inverse Universe

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



52.7764, 27.8394, 56.6226



50.3702, 25.0892, 49.4627



44.7378, 24.6239, 14.2916



18.5663, 18.2098, 21.5993



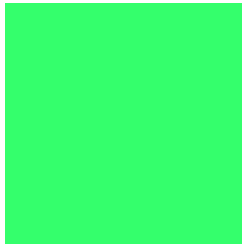
26.1716, 12.9579, 25.3521



2.5945, 1.2802, 2.7120

Previews

White Background



This preview shows how the XYZ color 39.8829, 73.3328, 26.2400 looks on a white background.

Color Contrast Check

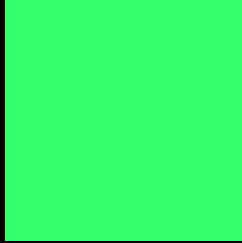
Large Text (above 18pt) WCAG AA × Fail

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 39.8829, 73.3328, 26.2400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

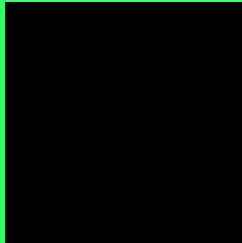
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8829, 73.3328, 26.2400

Background



This preview shows how black text looks on a background with the XYZ color 39.8829, 73.3328, 26.2400.

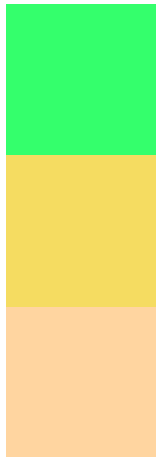


This preview shows how white text looks on a background with the XYZ color 39.8829, 73.3328,

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

39.8829, 73.3328, 26.2400

Protanopia

65.4071, 71.4619, 21.6555

Deuteranopia

71.3794, 71.3866, 43.2746



Tritanopia

57.2363, 72.3776, 105.5613

Trichromacy



Original Color

39.8829, 73.3328, 26.2400



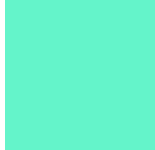
Protanomaly

49.1671, 68.3314, 22.9098



Deuteranomaly

51.6072, 67.2336, 35.4567



Tritanomaly

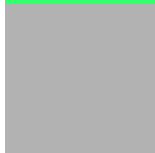
48.2669, 71.6750, 67.1678

Monochromacy



Original Color

39.8829, 73.3328, 26.2400



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

37.3368, 51.3481, 38.0803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8829, 73.3328, 26.2400 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(52, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(52, 255, 108)  
}
```

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(52, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 255, 108) }
```

Border

The CSS property to change the border of an element to XYZ 39.8829, 73.3328, 26.2400 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(52, 255, 108) }
```


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

```
.border{ border-color:rgb(52, 255, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 255, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(52, 255,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8829, 73.3328, 26.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 255, 108) }
```

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

```
.background{ background-color: rgb(52, 255,  
108) }
```

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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