

Converting Colors

XYZ(39.8537, 73.3152, 26.3519)

Have a look what the booklet for
XYZ(39.8537, 73.3152, 26.3519)
contains.

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Color

**XYZ(39.8320, 73.3065,
26.2376)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF6C
RGB	51, 255, 108
RGB Percent	20%, 100%, 42%
CMY	0.8000, 0.0000, 0.5765
CMYK	0.80, 0.00, 0.58, 0.00
HSL	137°, 100%, 60%
HSV	137°, 80%, 100%
XYZ	39.8320, 73.3065, 26.2376
YIQ	177.2460, -74.3970, -88.9650

Conversions

Conversions Part 2

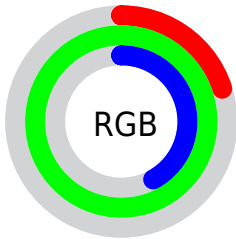
Format	Color
RYB	51, 210, 255
Decimal	3407724
CIELab	88.59, -76.67, 55.88
CIELCh	89, 94.868, 143.914
Yxy	73.3065, 0.2858, 0.5260
Android (android.graphics.Color)	4281597804 (0xFF33FF6C)
YUV	177.2460, -34.1383, -110.7177
Hunter-Lab	85.6192, -66.7914, 41.7643

Details

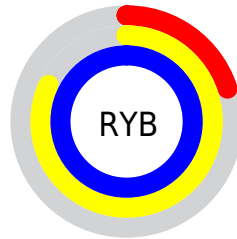
The XYZ color **39.8320, 73.3065, 26.2376** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **52.6167, 27.7050, 55.9992**, and the grayscale version is **42.1216, 44.3152, 48.2592**.

A 20% lighter version of the original color is **51.7309, 78.9896, 47.1704**, and **20.6089, 40.1895, 10.0393** is the 20% darker color. If you saturate the color by 10%, you get **38.0031, 72.4650, 21.5746**, and if you desaturate by 10%, it is **42.5710, 74.5933, 32.0214**.

Distribution



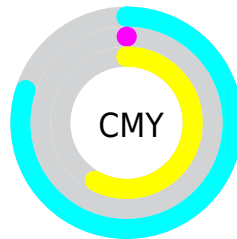
- Red (20%)
- Green (100%)
- Blue (42%)



- Red (20%)
- Yellow (82%)
- 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 39.8320, 73.3065, 26.2376 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 39.8320, 73.3065, 26.2376 by changing the saturation by 10% instead.


 39.8320, 73.3065,
26.2376


 39.8320, 73.3065,
26.2376


336.5615,
472.0764, 297.5890


 27.5912, 54.2266,
16.7741


 74.1936, 123.9122,
54.6468


 18.1566, 38.7829,
9.9133


 97.0451, 156.2069,
74.4296

 11.1629, 26.5909,
5.2367


 124.1642,
193.6752, 98.4892

 6.2446, 17.2662,
2.3256

 155.9163,
236.7017, 127.2442

 3.0364, 10.4245,
0.7455

192.6667,
285.6706, 161.1132

 1.1731, 5.6813,
0.0000

234.7809,

 0.0849, 2.6523,

340.9665, 200.5146

0.0000

282.6240,
402.9736, 245.8670

0.0000, 0.9530,
0.0000

0.0000, 0.0000,
0.0000

39.8320, 73.3065,
26.2376

39.8320, 73.3065,
26.2376

38.0031, 72.4650,
21.5746

42.5710, 74.5933,
32.0214

36.9056, 71.9782,
17.9523

46.3316, 76.3817,
38.9898

36.9055, 71.9782,
17.9520

51.2098, 78.7196,
47.2060

57.2895, 81.6494,
56.7276

■ 64.6466, 85.2089,
67.6084

■ 73.3504, 89.4329,
79.8992

■ 83.4652, 94.3534,
93.6483

■ 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.



53.3234, 73.3065, 11.1644



39.8320, 73.3065, 26.2376



34.4519, 73.3065, 67.1936

Triad

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



39.8320, 73.3065, 26.2376



65.1154, 73.3065, 282.0266



118.1154, 73.3065, 38.8701

Complementary

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



39.8320, 73.3065, 26.2376



52.6167, 27.7050, 55.9992

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.



123.2025, 73.3065, 93.9329



39.8320, 73.3065, 26.2376



89.0696, 73.3065, 259.2310

Square

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



39.8320, 73.3065, 26.2376



46.8468, 73.3065, 231.0299



111.6085, 73.3065, 179.3792



98.9265, 73.3065, 15.1637

Rectangle

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



39.8320, 73.3065, 26.2376



35.1080, 73.3065, 114.1026



111.6085, 73.3065, 179.3792



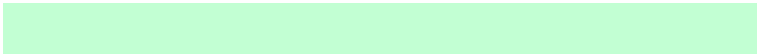
121.6841, 73.3065, 53.1976

Sweetspot

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



39.8324, 73.3067, 26.2388



69.7023, 87.6611, 74.8094



60.3378, 84.1213, 16.1891



14.2638, 18.4451, 15.0836



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.



39.8324, 73.3067, 26.2388



37.2846, 72.1446, 19.2818



48.4369, 76.7485, 71.5496



17.9801, 20.2516, 20.1984



19.3381, 37.6319, 9.6659



1.9270, 3.6817, 1.1734

Inverse Universe

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



52.6167, 27.7050, 55.9992



50.2772, 25.0520, 48.9733



44.6571, 24.5211, 14.0842



18.5634, 18.2087, 21.5842



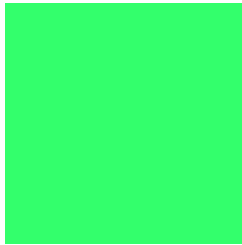
26.1225, 12.9383, 25.0932



2.5900, 1.2784, 2.6885

Previews

White Background



This preview shows how the XYZ color 39.8320, 73.3065, 26.2376 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 39.8320, 73.3065, 26.2376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

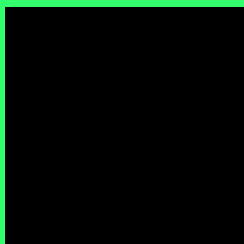
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

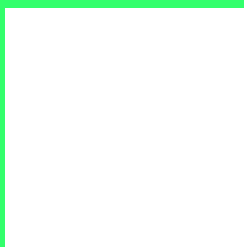
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.8320, 73.3065, 26.2376

Background



This preview shows how black text looks on a background with the XYZ color 39.8320, 73.3065, 26.2376.

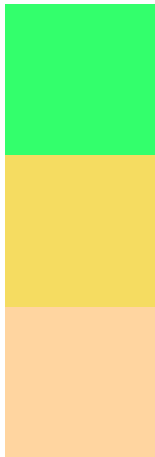


This preview shows how white text looks on a background with the XYZ color 39.8320, 73.3065,

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

39.8320, 73.3065, 26.2376

Protanopia

65.4071, 71.4619, 21.6555

Deuteranopia

71.3794, 71.3866, 43.2746



Tritanopia

57.2363, 72.3776, 105.5613

Trichromacy



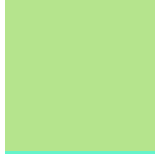
Original Color

39.8320, 73.3065, 26.2376



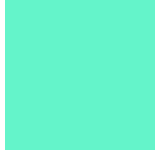
Protanomaly

48.9434, 68.2161, 22.8993



Deuteranomaly

51.6072, 67.2336, 35.4567



Tritanomaly

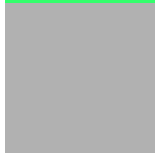
48.2669, 71.6750, 67.1678

Monochromacy



Original Color

39.8320, 73.3065, 26.2376



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 39.8320, 73.3065, 26.2376 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 108) }
```

Border

The CSS property to change the border of an element to XYZ 39.8320, 73.3065, 26.2376 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, 108) }
```


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

```
.border{ border-color:rgb(51, 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(51, 255, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8320, 73.3065, 26.2376 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, 108) }
```

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

```
.background{ background-color: rgb(51, 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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