

Converting Colors

XYZ(39.6990, 73.0956, 32.6623)

Have a look what the booklet for
XYZ(39.6990, 73.0956, 32.6623)
contains.

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Color

**XYZ(39.7224, 73.1050,
32.7860)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF81
RGB	0, 255, 129
RGB Percent	0%, 100%, 51%
CMY	1.0000, 0.0000, 0.4941
CMYK	1.00, 0.00, 0.49, 0.00
HSL	150°, 100%, 50%
HSV	150°, 100%, 100%
XYZ	39.7224, 73.1050, 32.7860
YIQ	164.3910, -111.5340, -93.2460

Conversions

Conversions Part 2

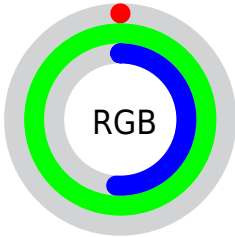
Format	Color
RYB	0, 169, 255
Decimal	65409
CIELab	88.50, -76.60, 46.12
CIELCh	88, 89.407, 148.949
Yxy	73.1050, 0.2728, 0.5020
Android (android.graphics.Color)	4278255489 (0xFF00FF81)
YUV	164.3910, -17.4478, -144.1709
Hunter-Lab	85.5015, -66.6998, 37.1160

Details

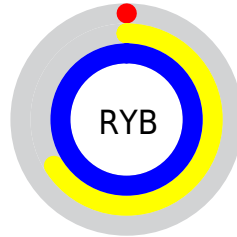
The XYZ color **39.7224, 73.1050, 32.7860** is a dark color, and the websafe version is hex **00FF99**. The color can be described as dark saturated spring green. A complement of this color would be **45.0064, 22.7667, 21.7632**, and the grayscale version is **35.5930, 37.4466, 40.7793**.

A 20% lighter version of the original color is **51.6142, 78.6937, 57.8165**, and **21.2708, 40.4543, 13.5249** is the 20% darker color. If you saturate the color by 10%, you get **39.7224, 73.1049, 32.7855**, and if you desaturate by 10%, it is **41.0264, 73.6743, 37.4937**.

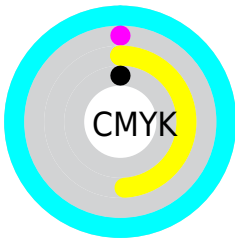
Distribution



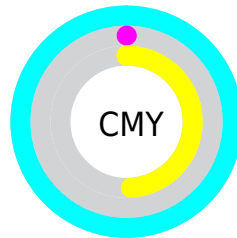
- Red (0%)
- Green (100%)
- Blue (51%)



- Red (0%)
- Yellow (66%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7224, 73.1050, 32.7860 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 39.7224, 73.1050, 32.7860 by changing the saturation by 10% instead.


 39.7224, 73.1050,
32.7860


 39.7224, 73.1050,
32.7860


336.1067,
471.3786, 329.2867


 27.5054, 54.0618,
21.6928


 74.0276, 123.6263,
65.1534


 18.0917, 38.6511,
13.4352


 96.8466, 155.8731,
87.2647


 11.1159, 26.4884,
7.5947


 123.9303,
193.2900, 113.8858

 6.2127, 17.1894,
3.7527

 155.6440,
236.2613, 145.4352

 3.0168, 10.3696,
1.4907

 192.3532,
285.1715, 182.3314

 1.1626, 5.6447,
0.2110

234.4231,

 0.0766, 2.6303,

340.4048, 224.9931

0.0000

282.2191,
402.3457, 273.8387

■ 0.0000, 0.9419,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.7224, 73.1050,
32.7860

■ 39.7224, 73.1050,
32.7860

■ 39.7224, 73.1049,
32.7855

■ 41.0264, 73.6743,
37.4937

■ 42.9755, 74.5640,
42.7882

■ 45.7381, 75.8602,
48.6961

■ 49.4182, 77.6164,
55.2393

■ 54.1035, 79.8772,
62.4379

■ 59.8705, 82.6820,
70.3113

■ 66.7884, 86.0658,
78.8775

■ 74.9201, 90.0610,
88.1540

■ 84.3240, 94.6972,
98.1576

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.3190, 73.1050, 14.4147



39.7224, 73.1050, 32.7860



35.7812, 73.1050, 77.4445

Triad

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



39.7224, 73.1050, 32.7860



68.7277, 73.1050, 266.5880



112.3445, 73.1050, 34.9151

Complementary

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



39.7224, 73.1050, 32.7860



45.0064, 22.7667, 21.7632

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.



119.6080, 73.1050, 81.7929



39.7224, 73.1050, 32.7860



91.4976, 73.1050, 234.8397

Square

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



39.7224, 73.1050, 32.7860



50.2522, 73.1050, 230.3958



111.3020, 73.1050, 157.7027



93.0864, 73.1050, 15.1219

Rectangle

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



39.7224, 73.1050, 32.7860



37.2366, 73.1050, 124.6126



111.3020, 73.1050, 157.7027



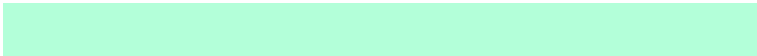
116.4260, 73.1050, 46.9866

Sweetspot

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



39.7228, 73.1051, 32.7872



66.7854, 86.0644, 78.8739



44.5879, 76.0709, 12.3334



13.6396, 18.1004, 16.0909



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.



39.7228, 73.1051, 32.7872



39.7224, 73.1049, 32.7855



53.8101, 78.7401, 106.9700



18.1550, 20.3215, 21.1191



20.8313, 38.2291, 17.5290



2.0834, 3.7443, 1.9973

Inverse Universe

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



45.0064, 22.7667, 21.7632



45.0060, 22.7664, 21.7614



41.2402, 21.2602, 1.9303



18.3836, 18.1367, 20.6371



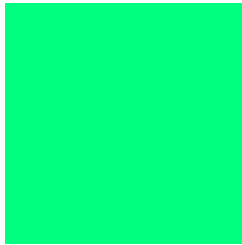
23.5917, 11.9260, 11.7665



2.3521, 1.1832, 1.4356

Previews

White Background



This preview shows how the XYZ color 39.7224, 73.1050, 32.7860 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 39.7224, 73.1050, 32.7860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

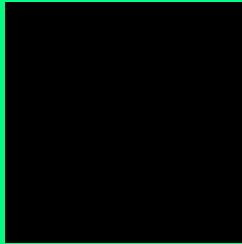
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7224, 73.1050, 32.7860

Background



This preview shows how black text looks on a background with the XYZ color 39.7224, 73.1050, 32.7860.

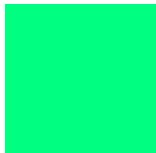


This preview shows how white text looks on a background with the XYZ color 39.7224, 73.1050,

Color Blindness Simulation

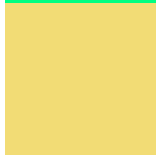
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

39.7224, 73.1050, 32.7860



Protanopia

65.4220, 71.3480, 27.1531



Deuteranopia

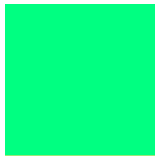
71.7351, 71.5288, 45.1476



Tritanopia

56.7929, 72.5800, 105.6238

Trichromacy



Original Color

39.7224, 73.1050, 32.7860



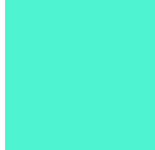
Protanomaly

45.9165, 66.5283, 28.5104



Deuteranomaly

48.2296, 65.4026, 39.3601



Tritanomaly

47.0012, 70.9245, 71.5342

Monochromacy



Original Color

39.7224, 73.1050, 32.7860



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.2611, 45.1099, 36.3376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7224, 73.1050, 32.7860 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(0, 255, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 129)  
}
```

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(0, 255, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 129) }
```

Border

The CSS property to change the border of an element to XYZ 39.7224, 73.1050, 32.7860 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(0, 255, 129) }
```


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

```
.border{ border-color:rgb(0, 255, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7224, 73.1050, 32.7860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 129) }
```

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

```
.background{ background-color: rgb(0, 255,  
129) }
```

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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