

Converting Colors

XYZ(39.2210, 72.9044, 30.1455)

Have a look what the booklet for
XYZ(39.2210, 72.9044, 30.1455)
contains.

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Color

**XYZ(39.2112, 72.9005,
30.0937)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF79
RGB	0, 255, 121
RGB Percent	0%, 100%, 47%
CMY	0.9999, 0.0000, 0.5255
CMYK	1.00, 0.00, 0.53, 0.00
HSL	148°, 100%, 50%
HSV	148°, 100%, 100%
XYZ	39.2112, 72.9005, 30.0937
YIQ	163.4790, -108.9660, -95.7340

Conversions

Conversions Part 2

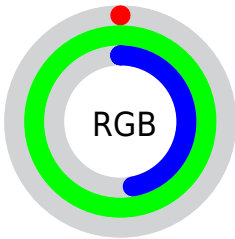
Format	Color
RYB	0, 173, 255
Decimal	65401
CIELab	88.40, -77.79, 49.72
CIELCh	88, 92.320, 147.412
Yxy	72.9005, 0.2757, 0.5126
Android (android.graphics.Color)	4278255481 (0xFF00FF79)
YUV	163.4790, -20.9421, -143.3711
Hunter-Lab	85.3818, -67.4428, 38.8699

Details

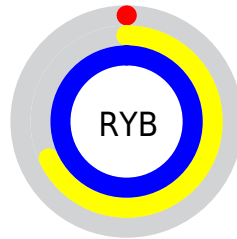
The XYZ color **39.2112, 72.9005, 30.0937** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.5440, 22.9819, 24.5938**, and the grayscale version is **35.1744, 37.0062, 40.2997**.

A 20% lighter version of the original color is **50.7989, 78.3676, 53.5234**, and **20.7833, 39.8972, 12.0744** is the 20% darker color. If you saturate the color by 10%, you get **39.2109, 72.9004, 30.0924**, and if you desaturate by 10%, it is **40.5050, 73.4658, 34.7478**.

Distribution



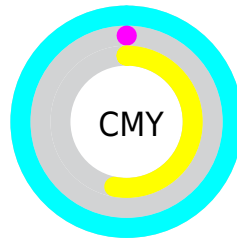
- Red (0%)
- Green (100%)
- Blue (47%)



- Red (0%)
- Yellow (68%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2112, 72.9005, 30.0937 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 39.2112, 72.9005, 30.0937 by changing the saturation by 10% instead.


 39.2112, 72.9005,
30.0937


 39.2112, 72.9005,
30.0937


333.9793,
470.6699, 316.5619


 27.1055, 53.8946,
19.6571


 73.2529, 123.3359,
60.8731


 17.7895, 38.5174,
11.9644


 95.9196, 155.5343,
82.0529

 10.8977, 26.3845,
6.5972


 122.8373,
192.8989, 107.6509

 6.0649, 17.1115,
3.1369

 154.3715,
235.8142, 138.0855

 2.9256, 10.3140,
1.1650

 190.8874,
284.6645, 173.7754

 1.1145, 5.6077,
0.0000

232.7504,

 0.0372, 2.6080,

339.8343, 215.1391

0.0000

280.3260,
401.7080, 262.5950

■ 0.0000, 0.9307,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2112, 72.9005,
30.0937

■ 39.2112, 72.9005,
30.0937

■ 39.2109, 72.9004,
30.0924

■ 40.5050, 73.4658,
34.7478

■ 42.4558, 74.3561,
40.0504

■ 45.2327, 75.6581,
46.0325

■ 48.9403, 77.4253,
52.7196

■ 53.6670, 79.7027,
60.1358

■ 59.4901, 82.5299,
68.3036

■ 66.4793, 85.9423,
77.2444

■ 74.6982, 89.9724,
86.9789

■ 84.2057, 94.6500,
97.5267

Harmonies

Analogous

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



51.4523, 72.9005, 12.8280



39.2112, 72.9005, 30.0937



34.8223, 72.9005, 73.9883

Triad

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



39.2112, 72.9005, 30.0937



67.3819, 72.9005, 274.5756



114.4602, 72.9005, 35.3796

Complementary

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



39.2112, 72.9005, 30.0937



45.5440, 22.9819, 24.5938

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.



121.2195, 72.9005, 85.0197



39.2112, 72.9005, 30.0937



90.8360, 72.9005, 244.6527

Square

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



39.2112, 72.9005, 30.0937



48.7655, 72.9005, 233.1579



111.7904, 72.9005, 165.0011



94.8898, 72.9005, 14.5347

Rectangle

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



39.2112, 72.9005, 30.0937



36.0441, 72.9005, 121.8199



111.7904, 72.9005, 165.0011



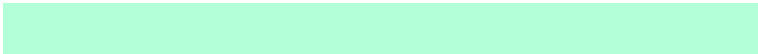
118.4666, 72.9005, 48.1510

Sweetspot

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



39.2116, 72.9007, 30.0949



66.4749, 85.9402, 77.2390



45.9145, 76.7548, 12.3956



13.5664, 18.0711, 15.7050



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.



39.2116, 72.9007, 30.0949



39.2109, 72.9004, 30.0924



52.4717, 78.2047, 99.9216



18.1304, 20.3117, 20.9898



20.5628, 38.1217, 16.1148



2.0569, 3.7337, 1.8573

Inverse Universe

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



45.5440, 22.9819, 24.5938



45.5434, 22.9813, 24.5912



41.2868, 21.2790, 2.1757



18.4082, 18.1466, 20.7667



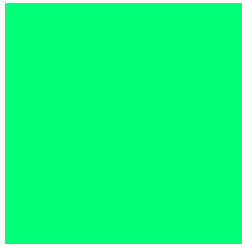
23.8735, 12.0387, 13.2501



2.3797, 1.1943, 1.5810

Previews

White Background



This preview shows how the XYZ color 39.2112, 72.9005, 30.0937 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 39.2112, 72.9005, 30.0937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

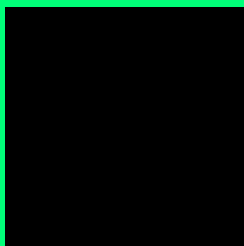
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2112, 72.9005, 30.0937

Background



This preview shows how black text looks on a background with the XYZ color 39.2112, 72.9005, 30.0937.

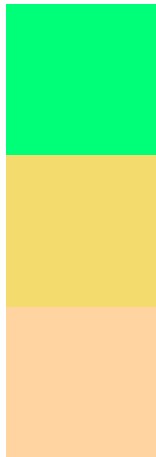


This preview shows how white text looks on a background with the XYZ color 39.2112, 72.9005,

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

39.2112, 72.9005, 30.0937

Protanopia

65.3157, 71.3452, 24.7965

Deuteranopia

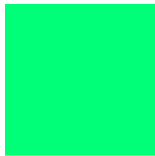
71.2165, 70.9202, 43.6537



Tritanopia

56.6506, 72.5066, 105.6171

Trichromacy



Original Color

39.2112, 72.9005, 30.0937



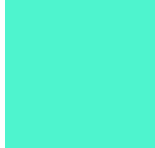
Protanomaly

45.6371, 66.4386, 26.0414



Deuteranomaly

47.8320, 65.2435, 37.2664



Tritanomaly

46.6331, 70.7773, 69.5961

Monochromacy



Original Color

39.2112, 72.9005, 30.0937



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.7941, 44.5610, 34.9951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2112, 72.9005, 30.0937 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 121) }
```

Border

The CSS property to change the border of an element to XYZ 39.2112, 72.9005, 30.0937 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, 121) }
```


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

```
.border{ border-color:rgb(0, 255, 121) }
```

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, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2112, 72.9005, 30.0937 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, 121) }
```

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

```
.background{ background-color: rgb(0, 255,  
121) }
```

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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