

Converting Colors

XYZ(39.2270, 72.9296, 29.1489)

Have a look what the booklet for
XYZ(39.2270, 72.9296, 29.1489)
contains.

XYZ(39.2270, 72.9296, 29.1489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.2270, 72.9296,
29.1489)**

Conversions

Conversions Part 1

Format	Color
Hex	0FFF76
RGB	15, 255, 118
RGB Percent	6%, 100%, 46%
CMY	0.9411, 0.0000, 0.5372
CMYK	0.94, 0.00, 0.54, 0.00
HSL	146°, 100%, 53%
HSV	146°, 94%, 100%
XYZ	39.2270, 72.9296, 29.1489
YIQ	167.6220, -99.0630, -93.4870

Conversions

Conversions Part 2

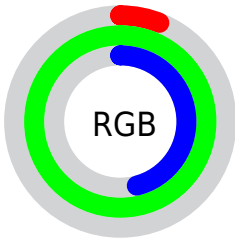
Format	Color
R_{YB}	15, 183, 255
Decimal	1048438
CIE Lab	88.41, -77.80, 51.13
CIE LCh	88, 93.091, 146.688
Yxy	72.9296, 0.2776, 0.5161
Android (android.graphics.Color)	4279238518 (0xFF0FFF76)
YUV	167.6220, -24.4636, -133.8495
Hunter-Lab	85.3988, -67.4560, 39.5419

Details

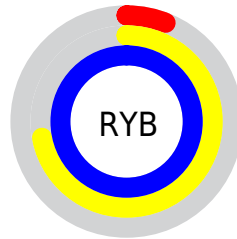
The XYZ color **39.2270, 72.9296, 29.1489** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **47.0787, 23.8690, 31.8332**, and the grayscale version is **37.1859, 39.1225, 42.6044**.

A 20% lighter version of the original color is **50.7740, 78.3887, 51.9896**, and **20.6941, 39.8615, 11.6044** is the 20% darker color. If you saturate the color by 10%, you get **38.5439, 72.6336, 26.5799**, and if you desaturate by 10%, it is **40.8582, 73.6627, 34.0962**.

Distribution



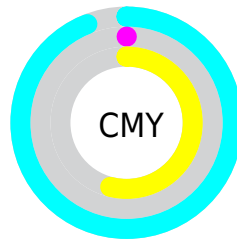
- Red (6%)
- Green (100%)
- Blue (46%)



- Red (6%)
- Yellow (72%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)





- Cyan (94%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2270, 72.9296, 29.1489 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 39.2270, 72.9296, 29.1489 by changing the saturation by 10% instead.


 39.2270, 72.9296,
29.1489


 39.2270, 72.9296,
29.1489


334.0452,
470.7708, 311.9998


 27.1179, 53.9184,
18.9469


 73.2768, 123.3773,
59.3586


 17.7988, 38.5364,
11.4555


 95.9482, 155.5825,
80.2034


 10.9045, 26.3993,
6.2561


 122.8711,
192.9546, 105.4329

 6.0694, 17.1226,
2.9301

 154.4109,
235.8778, 135.4656

 2.9284, 10.3219,
1.0591

 190.9328,
284.7367, 170.7201

 1.1160, 5.6129,
0.0000

232.8022,

 0.0385, 2.6112,

339.9155, 211.6150

0.0000

280.3846,
401.7988, 258.5687

■ 0.0000, 0.9323,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2270, 72.9296,
29.1489

■ 39.2270, 72.9296,
29.1489

■ 38.5439, 72.6336,
26.5799

■ 40.8582, 73.6627,
34.0962

■ 43.2829, 74.7888,
39.8061

■ 46.6171, 76.3670,
46.3134

■ 50.9563, 78.4461,
53.6492

■ 56.3830, 81.0679,
61.8424

■ 62.9708, 84.2700,
70.9209

■ 70.7867, 88.0862,
80.9108

■ 79.8923, 92.5479,
91.8372

■ 90.3451, 97.6842,
103.7244

Harmonies

Analogous

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



51.7378, 72.9296, 12.3646



39.2270, 72.9296, 29.1489



34.6330, 72.9296, 72.5022

Triad

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



39.2270, 72.9296, 29.1489



66.8622, 72.9296, 276.8009



115.2877, 72.9296, 35.9354

Complementary

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



39.2270, 72.9296, 29.1489



47.0787, 23.8690, 31.8332

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.



121.7362, 72.9296, 86.7388



39.2270, 72.9296, 29.1489



90.4865, 72.9296, 248.1516

Square

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



39.2270, 72.9296, 29.1489



48.2767, 72.9296, 233.2497



111.8347, 72.9296, 168.0925



95.7249, 72.9296, 14.5407

Rectangle

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



39.2270, 72.9296, 29.1489



35.7401, 72.9296, 120.2958



111.8347, 72.9296, 168.0925



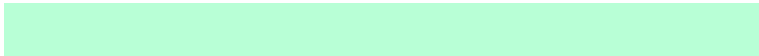
119.2212, 72.9296, 49.0260

Sweetspot

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



39.2274, 72.9297, 29.1501



67.6001, 86.5284, 76.9195



49.3645, 78.5234, 13.0070



13.7596, 18.1743, 15.5502



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.



39.2274, 72.9297, 29.1501



38.5439, 72.6336, 26.5799



50.9526, 77.6198, 90.8944



18.0952, 20.2976, 20.8041



20.2113, 37.9811, 14.2640



2.0213, 3.7195, 1.6702

Inverse Universe

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



47.0787, 23.8690, 31.8332



46.3944, 23.3217, 29.0725



41.7144, 21.7233, 3.5851



18.4439, 18.1609, 20.9548



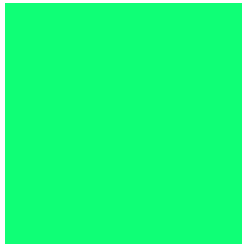
24.3184, 12.2166, 15.5930



2.4226, 1.2114, 1.8067

Previews

White Background



This preview shows how the XYZ color 39.2270, 72.9296, 29.1489 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 39.2270, 72.9296, 29.1489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

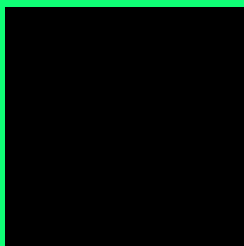
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2270, 72.9296, 29.1489

Background



This preview shows how black text looks on a background with the XYZ color 39.2270, 72.9296, 29.1489.

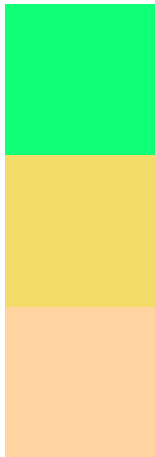


This preview shows how white text looks on a background with the XYZ color 39.2270, 72.9296,

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

39.2270, 72.9296, 29.1489

Protanopia

65.1569, 71.2817, 23.9603

Deuteranopia

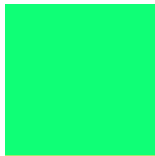
71.1286, 70.8850, 43.1910



Tritanopia

56.6506, 72.5066, 105.6171

Trichromacy



Original Color

39.2270, 72.9296, 29.1489



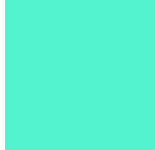
Protanomaly

46.4506, 66.8772, 25.2122



Deuteranomaly

49.0027, 65.8560, 36.9168



Tritanomaly

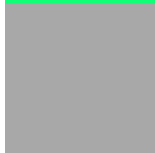
46.9374, 70.9481, 68.9781

Monochromacy



Original Color

39.2270, 72.9296, 29.1489



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.8414, 46.9553, 36.1865

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2270, 72.9296, 29.1489 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(15, 255, 118)` looks like.

```
.text, #text, p{  
    color:rgb(15, 255, 118)  
}
```

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(15, 255, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 255, 118) }
```

Border

The CSS property to change the border of an element to XYZ 39.2270, 72.9296, 29.1489 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(15, 255, 118) }
```


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

```
.border{ border-color:rgb(15, 255, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 255, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 255, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 255, 118);  
box-shadow:4px 4px 4px 4px rgb(15, 255,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2270, 72.9296, 29.1489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 255, 118) }
```

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

```
.background{ background-color: rgb(15, 255,  
118) }
```

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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