

Converting Colors

XYZ(39.1803, 72.8881, 29.9309)

Have a look what the booklet for
XYZ(39.1803, 72.8881, 29.9309)
contains.

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Color

**XYZ(39.1502, 72.8761,
29.7724)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF78
RGB	0, 255, 120
RGB Percent	0%, 100%, 47%
CMY	0.9999, 0.0000, 0.5294
CMYK	1.00, 0.00, 0.53, 0.00
HSL	148°, 100%, 50%
HSV	148°, 100%, 100%
XYZ	39.1502, 72.8761, 29.7724
YIQ	163.3650, -108.6450, -96.0450

Conversions

Conversions Part 2

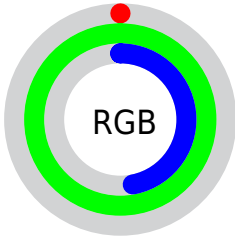
Format	Color
RYB	0, 173, 255
Decimal	65400
CIELab	88.39, -77.93, 50.17
CIELCh	88, 92.681, 147.228
Yxy	72.8761, 0.2761, 0.5139
Android (android.graphics.Color)	4278255480 (0xFF00FF78)
YUV	163.3650, -21.3789, -143.2711
Hunter-Lab	85.3675, -67.5316, 39.0795

Details

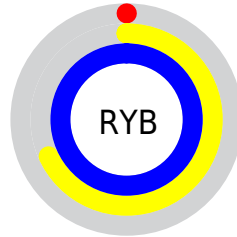
The XYZ color **39.1502, 72.8761, 29.7724** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **45.6142, 23.0099, 24.9633**, and the grayscale version is **35.1223, 36.9514, 40.2401**.

A 20% lighter version of the original color is **50.7003, 78.3281, 53.0041**, and **20.7530, 39.8851, 11.9150** is the 20% darker color. If you saturate the color by 10%, you get **39.1499, 72.8760, 29.7709**, and if you desaturate by 10%, it is **40.4423, 73.4407, 34.4174**.

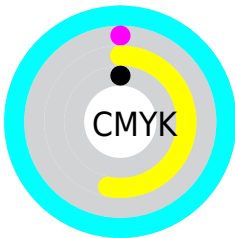
Distribution



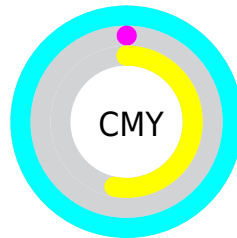
- Red (0%)
- Green (100%)
- Blue (47%)



- 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 39.1502, 72.8761, 29.7724 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 39.1502, 72.8761, 29.7724 by changing the saturation by 10% instead.


 39.1502, 72.8761,
29.7724


 39.1502, 72.8761,
29.7724


333.7248,
470.5853, 315.0163


 27.0578, 53.8747,
19.4153


 73.1603, 123.3013,
60.3588


 17.7535, 38.5015,
11.7909


 95.8088, 155.4939,
81.4252


 10.8718, 26.3721,
6.4807


 122.7067,
192.8522, 106.8984

 6.0473, 17.1022,
3.0660

 154.2193,
235.7608, 137.1971

 2.9148, 10.3074,
1.1284

 190.7121,
284.6040, 172.7396

 1.1089, 5.6033,
0.0000

232.5504,

 0.0325, 2.6054,

339.7662, 213.9447

0.0000

280.0995,
401.6319, 261.2307

■ 0.0000, 0.9294,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.1502, 72.8761,
29.7724

■ 39.1502, 72.8761,
29.7724


■ 39.1499, 72.8760,
29.7709


■ 40.4423, 73.4407,
34.4174


■ 42.3929, 74.3309,
39.7187


■ 45.1711, 75.6335,
45.7079


■ 48.8818, 77.4019,
52.4110

 53.6133, 79.6813,
59.8526

 59.4432, 82.5112,
68.0556

 66.4411, 85.9271,
77.0421

 74.6708, 89.9614,
86.8329

 84.1911, 94.6443,
97.4482

Harmonies

Analogous

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



51.4707, 72.8761, 12.6416



39.1502, 72.8761, 29.7724



34.7066, 72.8761, 73.5672

Triad

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



39.1502, 72.8761, 29.7724



67.2169, 72.8761, 275.5641



114.7230, 72.8761, 35.4405

Complementary

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



39.1502, 72.8761, 29.7724



45.6142, 23.0099, 24.9633

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.



121.4182, 72.8761, 85.4275



39.1502, 72.8761, 29.7724



90.7535, 72.8761, 245.8789

Square

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



39.1502, 72.8761, 29.7724



48.5847, 72.8761, 233.4913



111.8493, 72.8761, 165.9189



95.1150, 72.8761, 14.4653

Rectangle

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



39.1502, 72.8761, 29.7724



35.8999, 72.8761, 121.4739



111.8493, 72.8761, 165.9189



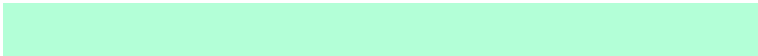
118.7195, 72.8761, 48.2997

Sweetspot

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



39.1506, 72.8763, 29.7736



66.4364, 85.9248, 77.0363



45.9146, 76.7549, 12.3957



13.5573, 18.0675, 15.6573



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.



39.1506, 72.8763, 29.7736



39.1499, 72.8760, 29.7709



52.4717, 78.2047, 99.9216



18.1274, 20.3105, 20.9737



20.5307, 38.1089, 15.9458



2.0537, 3.7324, 1.8404

Inverse Universe

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



45.6142, 23.0099, 24.9633



45.6135, 23.0094, 24.9605



41.2868, 21.2790, 2.1757



18.4113, 18.1478, 20.7829



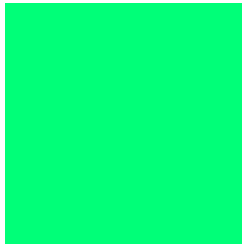
23.9102, 12.0534, 13.4434



2.3833, 1.1957, 1.5998

Previews

White Background



This preview shows how the XYZ color 39.1502, 72.8761, 29.7724 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 39.1502, 72.8761, 29.7724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

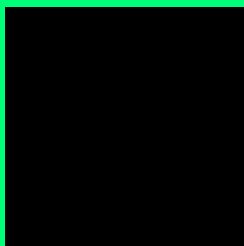
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.1502, 72.8761, 29.7724

Background



This preview shows how black text looks on a background with the XYZ color 39.1502, 72.8761, 29.7724.

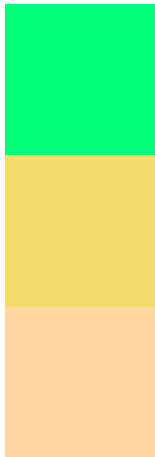


This preview shows how white text looks on a background with the XYZ color 39.1502, 72.8761,

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

39.1502, 72.8761, 29.7724

Protanopia

65.2621, 71.3238, 24.5145

Deuteranopia

71.2165, 70.9202, 43.6537



Tritanopia

56.6506, 72.5066, 105.6171

Trichromacy



Original Color

39.1502, 72.8761, 29.7724



Protanomaly

45.5811, 66.4162, 25.7465



Deuteranomaly

47.8320, 65.2435, 37.2664



Tritanomaly

46.6331, 70.7773, 69.5961

Monochromacy



Original Color

39.1502, 72.8761, 29.7724



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.7153, 44.5295, 34.5799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1502, 72.8761, 29.7724 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 120) }
```

Border

The CSS property to change the border of an element to XYZ 39.1502, 72.8761, 29.7724 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, 120) }
```


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

```
.border{ border-color:rgb(0, 255, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1502, 72.8761, 29.7724 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, 120) }
```

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

```
.background{ background-color: rgb(0, 255,  
120) }
```

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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