

Converting Colors

XYZ(39.4066, 69.1513, 42.9221)

Have a look what the booklet for
XYZ(39.4066, 69.1513, 42.9221)
contains.

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Color

**XYZ(39.2615, 68.9218,
42.6864)**

Conversions

Conversions Part 1

Format	Color
Hex	00F79C
RGB	0, 247, 156
RGB Percent	0%, 97%, 61%
CMY	0.9999, 0.0314, 0.3882
CMYK	1.00, 0.00, 0.37, 0.03
HSL	158°, 100%, 48%
HSV	158°, 100%, 97%
XYZ	39.2615, 68.9218, 42.6864
YIQ	162.7730, -118.0010, -80.6650

Conversions

Conversions Part 2

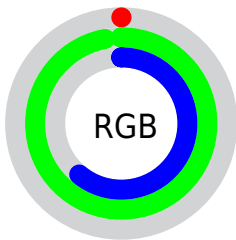
Format	Color
RYB	0, 151, 247
Decimal	63388
CIELab	86.47, -69.29, 30.29
CIELCh	86, 75.617, 156.388
Yxy	68.9218, 0.2602, 0.4568
Android (android.graphics.Color)	4278253468 (0xFF00F79C)
YUV	162.7730, -3.3391, -142.7519
Hunter-Lab	83.0192, -60.8671, 27.6280

Details

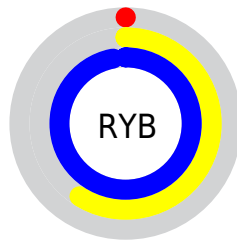
The XYZ color **39.2615, 68.9218, 42.6864** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **40.2490, 20.5313, 11.7453**, and the grayscale version is **34.7653, 36.5758, 39.8311**.

A 20% lighter version of the original color is **54.3279, 79.7339, 74.1548**, and **20.6963, 37.3947, 19.2238** is the 20% darker color. If you saturate the color by 10%, you get **39.2622, 68.9241, 42.6837**, and if you desaturate by 10%, it is **40.4572, 69.4476, 46.9192**.

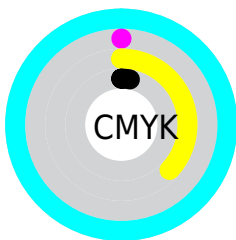
Distribution



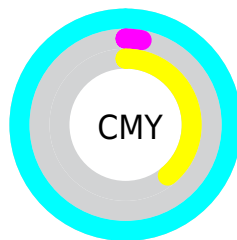
- Red (0%)
- Green (97%)
- Blue (61%)



- Red (0%)
- Yellow (59%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (3%)





- Cyan (100%)
- Magenta (3%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2615, 68.9218, 42.6864 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 39.2615, 68.9218, 42.6864 by changing the saturation by 10% instead.


 39.2615, 68.9218,
42.6864


 39.2615, 68.9218,
42.6864


334.1890,
456.7551, 373.2038


 27.1449, 50.6480,
29.3096


 73.3291, 117.6699,
80.5187


 17.8192, 35.9286,
19.0675


 96.0109, 148.9130,
105.8112


 10.9192, 24.3790,
11.5418


 122.9450,
185.2480, 135.9127

 6.0794, 15.6150,
6.3138


 154.4969,
227.0592, 171.2417

 2.9345, 9.2522,
2.9649

 191.0318,
274.7312, 212.2168

 1.1192, 4.9060,
1.0768

232.9153,

 0.0411, 2.1922,

328.6482, 259.2565

0.0000

280.5126,
389.1947, 312.7793

■ 0.0000, 0.7157,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2615, 68.9218,
42.6864

■ 39.2615, 68.9218,
42.6864


■ 39.2622, 68.9241,
42.6837


■ 40.4572, 69.4476,
46.9192


■ 42.2093, 70.2516,
51.4844


■ 44.6750, 71.4165,
56.3970


■ 47.9484, 72.9908,
61.6674

 52.1086, 75.0150,
67.3051

 57.2250, 77.5248,
73.3191

 63.3597, 80.5521,
79.7178

 70.5696, 84.1260,
86.5093

 78.9070, 88.2736,
93.7012

Harmonies

Analogous

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



47.5056, 68.9218, 21.1300



39.2615, 68.9218, 42.6864



37.4367, 68.9218, 86.2851

Triad

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



39.2615, 68.9218, 42.6864



69.3238, 68.9218, 217.3198



96.4992, 68.9218, 31.1641

Complementary

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



39.2615, 68.9218, 42.6864



40.2490, 20.5313, 11.7453

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.



104.9584, 68.9218, 64.8245



39.2615, 68.9218, 42.6864



87.5657, 68.9218, 182.4168

Square

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



39.2615, 68.9218, 42.6864



52.9344, 68.9218, 202.4958



101.4279, 68.9218, 120.6358



79.9302, 68.9218, 16.8505

Rectangle

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



39.2615, 68.9218, 42.6864



39.7534, 68.9218, 126.5375



101.4279, 68.9218, 120.6358



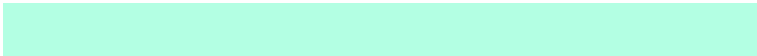
100.5084, 68.9218, 39.8462

Sweetspot

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



39.2633, 68.9245, 42.6880



68.0743, 86.5800, 85.6614



37.9504, 68.9410, 11.3075



13.9457, 18.2228, 17.7025



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.



39.2633, 68.9245, 42.6880



42.1968, 74.0947, 45.8157



41.9101, 56.9572, 96.7839



16.7226, 18.6482, 19.8234



20.8345, 36.4786, 22.9461



1.8806, 3.2259, 2.2771

Inverse Universe

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



40.2490, 20.5313, 11.7453



43.2585, 22.0674, 12.5591



38.7948, 20.6459, 1.9411



16.7516, 16.5835, 18.4383



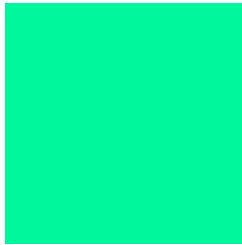
21.3476, 10.8825, 6.5389



1.9240, 0.9756, 0.8264

Previews

White Background



This preview shows how the XYZ color 39.2615, 68.9218, 42.6864 looks on a white background.

Color Contrast Check

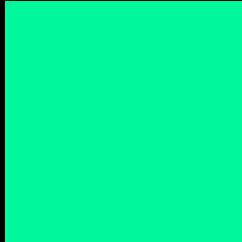
Large Text (above 18pt) WCAG AA × Fail

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 39.2615, 68.9218, 42.6864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

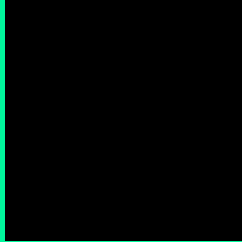
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2615, 68.9218, 42.6864

Background



This preview shows how black text looks on a background with the XYZ color 39.2615, 68.9218, 42.6864.

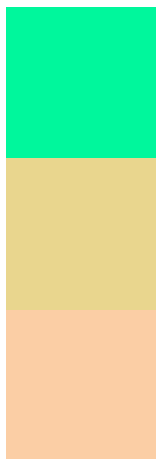


This preview shows how white text looks on a background with the XYZ color 39.2615, 68.9218,

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

39.2615, 68.9218, 42.6864

Protanopia

62.5333, 67.3698, 35.2990

Deuteranopia

68.6465, 67.3685, 44.9827



Tritanopia

51.6222, 68.6471, 104.2954

Trichromacy



Original Color

39.2615, 68.9218, 42.6864



Protanomaly

44.6756, 62.7952, 37.3698



Deuteranomaly

46.8752, 61.7951, 43.6395



Tritanomaly

45.1523, 67.6357, 77.0049

Monochromacy



Original Color

39.2615, 68.9218, 42.6864



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

31.3459, 44.0647, 40.1109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2615, 68.9218, 42.6864 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, 247, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 156)  
}
```

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, 247, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 156) }
```

Border

The CSS property to change the border of an element to XYZ 39.2615, 68.9218, 42.6864 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, 247, 156) }
```


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

```
.border{ border-color:rgb(0, 247, 156) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2615, 68.9218, 42.6864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 156) }
```

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

```
.background{ background-color: rgb(0, 247,  
156) }
```

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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