

Converting Colors

XYZ(35.7892, 62.7704, 39.0838)

Have a look what the booklet for
XYZ(35.7892, 62.7704, 39.0838)
contains.

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Color

**XYZ(35.7892, 62.7704,
39.0838)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED96
RGB	0, 237, 150
RGB Percent	0%, 93%, 59%
CMY	0.9999, 0.0706, 0.4118
CMYK	1.00, 0.00, 0.37, 0.07
HSL	158°, 100%, 46%
HSV	158°, 100%, 93%
XYZ	35.7892, 62.7704, 39.0838
YIQ	156.2190, -113.3250, -77.3010

Conversions

Conversions Part 2

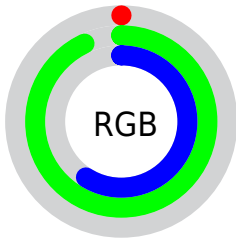
Format	Color
RYB	0, 145, 237
Decimal	60822
CIELab	83.32, -67.05, 29.11
CIELCh	83, 73.098, 156.536
Yxy	62.7704, 0.2600, 0.4560
Android (android.graphics.Color)	4278250902 (0xFF00ED96)
YUV	156.2190, -3.0660, -137.0041
Hunter-Lab	79.2278, -58.0156, 26.2111

Details

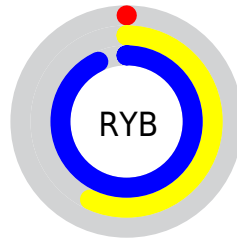
The XYZ color **35.7892, 62.7704, 39.0838** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **36.6478, 18.6942, 10.6984**, and the grayscale version is **31.7509, 33.4044, 36.3774**.

A 20% lighter version of the original color is **53.3350, 79.3073, 70.2544**, and **18.5259, 33.5244, 17.0497** is the 20% darker color. If you saturate the color by 10%, you get **35.7899, 62.7725, 39.0820**, and if you desaturate by 10%, it is **36.8877, 63.2544, 42.9313**.

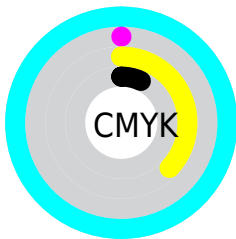
Distribution



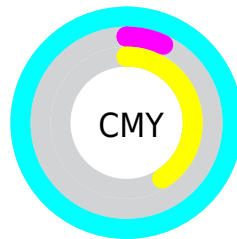
- Red (0%)
- Green (93%)
- Blue (59%)



- Red (0%)
- Yellow (57%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (7%)





- Cyan (100%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7892, 62.7704, 39.0838 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 35.7892, 62.7704, 39.0838 by changing the saturation by 10% instead.


 35.7892, 62.7704,
39.0838


 35.7892, 62.7704,
39.0838


319.4856,
434.7357, 357.6832


 24.4408, 45.6555,
26.5166


 68.0326, 108.8382,
74.9881

 15.7874, 31.9740,
16.9813


 89.6583, 138.5599,
99.1622


 9.4637, 21.3417,
10.0593


 115.4404,
173.2526, 128.0424

 5.1044, 13.3740,
5.3322

 145.7444,
213.3008, 162.0472

 2.3440, 7.6866,
2.3813

 180.9355,
259.0888, 201.5952

 0.8171, 3.8951,
0.7763

221.3792,

 0.0000, 1.6150,

311.0010, 247.1048

0.0000

267.4408,
369.4219, 298.9946

■ 0.0000, 0.3677,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.7892, 62.7704,
39.0838

■ 35.7892, 62.7704,
39.0838

■ 35.7899, 62.7725,
39.0820

■ 36.8877, 63.2544,
42.9313

■ 38.4897, 63.9901,
47.0782

■ 40.7397, 65.0537,
51.5383

■ 43.7228, 66.4887,
56.3209

■ 47.5101, 68.3319,
61.4345

■ 52.1644, 70.6154,
66.8871

■ 57.7417, 73.3680,
72.6863

■ 64.2934, 76.6162,
78.8393

■ 71.8670, 80.3841,
85.3531

Harmonies

Analogous

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



43.2545, 62.7704, 19.3841



35.7892, 62.7704, 39.0838



34.1584, 62.7704, 78.8002

Triad

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



35.7892, 62.7704, 39.0838



63.2079, 62.7704, 197.3921



87.7396, 62.7704, 28.3607

Complementary

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



35.7892, 62.7704, 39.0838



36.6478, 18.6942, 10.6984

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.



95.4656, 62.7704, 58.8605



35.7892, 62.7704, 39.0838



79.7670, 62.7704, 165.5487

Square

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



35.7892, 62.7704, 39.0838



48.3012, 62.7704, 184.1740



92.3153, 62.7704, 109.4558



72.6762, 62.7704, 15.3940

Rectangle

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



35.7892, 62.7704, 39.0838



36.2838, 62.7704, 115.3790



92.3153, 62.7704, 109.4558



91.3923, 62.7704, 36.2274

Sweetspot

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



35.7908, 62.7729, 39.0853



68.0885, 86.5856, 85.7358



34.5865, 62.7880, 10.2970



13.9491, 18.2242, 17.7203



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.



35.7908, 62.7729, 39.0853



42.2270, 74.1068, 45.9745



38.1748, 51.8906, 88.1277



15.2695, 17.0226, 18.1018



19.6046, 34.2963, 21.6806



1.5855, 2.7115, 1.9449

Inverse Universe

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



36.6478, 18.6942, 10.6984



43.2432, 22.0613, 12.4786



35.3339, 18.8202, 1.7710



15.2941, 15.1455, 16.8339



20.0650, 10.2287, 6.1436



1.6205, 0.8212, 0.7191

Previews

White Background



This preview shows how the XYZ color 35.7892, 62.7704, 39.0838 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 35.7892, 62.7704, 39.0838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

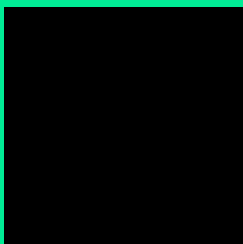
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

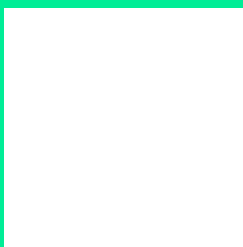
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7892, 62.7704, 39.0838

Background



This preview shows how black text looks on a background with the XYZ color 35.7892, 62.7704, 39.0838.



This preview shows how white text looks on a background with the XYZ color 35.7892, 62.7704,

Color Blindness Simulation

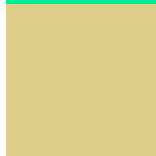
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



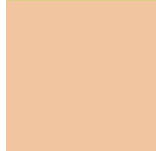
Original Color

35.7892, 62.7704, 39.0838



Protanopia

57.0181, 61.6367, 32.5588



Deuteranopia

62.4999, 61.1365, 41.3073



Tritanopia

47.1816, 62.8092, 95.2246

Trichromacy



Original Color

35.7892, 62.7704, 39.0838



Protanomaly

40.8507, 57.3295, 34.5038



Deuteranomaly

42.6811, 56.2596, 40.0621



Tritanomaly

41.3979, 62.0037, 70.7588

Monochromacy



Original Color

35.7892, 62.7704, 39.0838



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.3273, 39.6837, 36.7386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7892, 62.7704, 39.0838 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, 237, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 150)  
}
```

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, 237, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 150) }
```

Border

The CSS property to change the border of an element to XYZ 35.7892, 62.7704, 39.0838 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, 237, 150) }
```


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

```
.border{ border-color:rgb(0, 237, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 237, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7892, 62.7704, 39.0838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 150) }
```

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

```
.background{ background-color: rgb(0, 237,  
150) }
```

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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