

Converting Colors

XYZ(35.9438, 62.9017, 39.6835)

Have a look what the booklet for
XYZ(35.9438, 62.9017, 39.6835)
contains.

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Color

**XYZ(35.8701, 62.8027,
39.5098)**

Conversions

Conversions Part 1

Format	Color
Hex	00ED97
RGB	0, 237, 151
RGB Percent	0%, 93%, 59%
CMY	0.9999, 0.0706, 0.4078
CMYK	1.00, 0.00, 0.36, 0.07
HSL	158°, 100%, 46%
HSV	158°, 100%, 93%
XYZ	35.8701, 62.8027, 39.5098
YIQ	156.3330, -113.6460, -76.9900

Conversions

Conversions Part 2

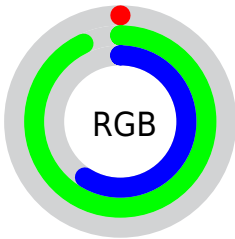
Format	Color
RYB	0, 145, 237
Decimal	60823
CIELab	83.34, -66.86, 28.62
CIELCh	83, 72.724, 156.824
Yxy	62.8027, 0.2596, 0.4545
Android (android.graphics.Color)	4278250903 (0xFF00ED97)
YUV	156.3330, -2.6292, -137.1040
Hunter-Lab	79.2482, -57.8898, 25.9142

Details

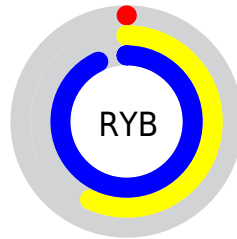
The XYZ color **35.8701, 62.8027, 39.5098** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **36.6074, 18.6780, 10.4854**, and the grayscale version is **31.8006, 33.4567, 36.4343**.

A 20% lighter version of the original color is **53.4561, 79.3557, 70.8923**, and **18.5734, 33.5434, 17.3000** is the 20% darker color. If you saturate the color by 10%, you get **35.8707, 62.8047, 39.5074**, and if you desaturate by 10%, it is **36.9660, 63.2856, 43.3432**.

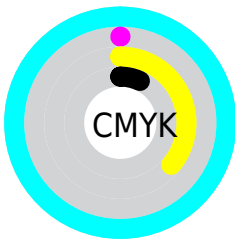
Distribution



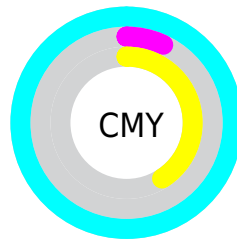
- Red (0%)
- Green (93%)
- Blue (59%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8701, 62.8027, 39.5098 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 35.8701, 62.8027, 39.5098 by changing the saturation by 10% instead.


 35.8701, 62.8027,
39.5098


 35.8701, 62.8027,
39.5098


319.8336,
434.8531, 359.5436


 24.5035, 45.6816,
26.8457


 68.1567, 108.8848,
75.6454


 15.8343, 31.9946,
17.2259


 89.8075, 138.6146,
99.9539


 9.4971, 21.3574,
10.2321


 115.6170,
173.3162, 128.9810

 5.1265, 13.3855,
5.4455

 145.9506,
213.3738, 163.1452

 2.3572, 7.6945,
2.4477

 181.1737,
259.1719, 202.8650

 0.8237, 3.9001,
0.8122

221.6517,

 0.0000, 1.6178,

311.0949, 248.5589

0.0000

267.7499,
369.5271, 300.6456

■ 0.0000, 0.3696,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.8701, 62.8027,
39.5098

■ 35.8701, 62.8027,
39.5098

■ 35.8707, 62.8047,
39.5074

■ 36.9660, 63.2856,
43.3432

■ 38.5643, 64.0199,
47.4704

■ 40.8095, 65.0815,
51.9046

■ 43.7865, 66.5142,
56.6551

■ 47.5667, 68.3545,
61.7302

■ 52.2125, 70.6346,
67.1377

■ 57.7801, 73.3834,
72.8850

■ 64.3208, 76.6271,
78.9793

■ 71.8820, 80.3902,
85.4271

Harmonies

Analogous

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



43.2554, 62.8027, 19.6692



35.8701, 62.8027, 39.5098



34.2992, 62.8027, 79.2623

Triad

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



35.8701, 62.8027, 39.5098



63.3794, 62.8027, 196.4586



87.4987, 62.8027, 28.3331

Complementary

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



35.8701, 62.8027, 39.5098



36.6074, 18.6780, 10.4854

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.



95.2707, 62.8027, 58.5450



35.8701, 62.8027, 39.5098



79.8402, 62.8027, 164.4927

Square

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



35.8701, 62.8027, 39.5098



48.5044, 62.8027, 183.7823



92.2454, 62.8027, 108.7104



72.4800, 62.8027, 15.4952

Rectangle

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



35.8701, 62.8027, 39.5098



36.4559, 62.8027, 115.7005



92.2454, 62.8027, 108.7104



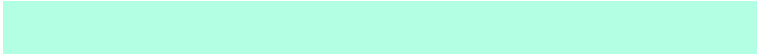
91.1560, 62.8027, 36.1251

Sweetspot

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



35.8717, 62.8052, 39.5113



68.1330, 86.6034, 85.9703



34.2082, 62.5929, 10.2794



13.9597, 18.2284, 17.7762



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

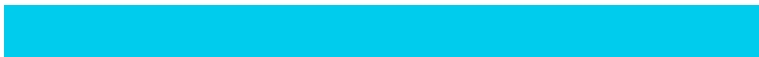
The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.8717, 62.8052, 39.5113



42.3225, 74.1450, 46.4775



37.2156, 49.9722, 87.8078



15.2722, 17.0237, 18.1165



19.6485, 34.3139, 21.9118



1.5887, 2.7128, 1.9621

Inverse Universe

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



36.6074, 18.6780, 10.4854



43.1955, 22.0422, 12.2276



35.4329, 19.0180, 1.8040



15.2914, 15.1444, 16.8197



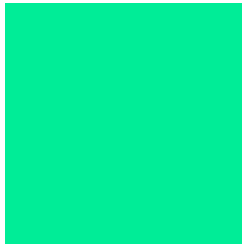
20.0424, 10.2197, 6.0249



1.6186, 0.8204, 0.7087

Previews

White Background



This preview shows how the XYZ color 35.8701, 62.8027, 39.5098 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 35.8701, 62.8027, 39.5098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

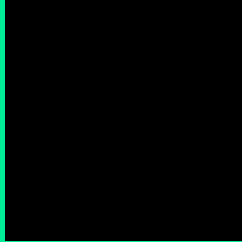
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8701, 62.8027, 39.5098

Background



This preview shows how black text looks on a background with the XYZ color 35.8701, 62.8027, 39.5098.

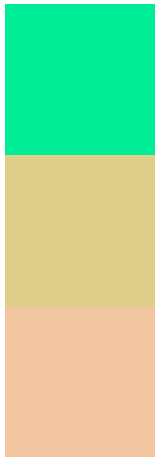


This preview shows how white text looks on a background with the XYZ color 35.8701, 62.8027,

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

35.8701, 62.8027, 39.5098

Protanopia

57.0902, 61.6656, 32.9384

Deuteranopia

62.5870, 61.1713, 41.7663



Tritanopia

47.1816, 62.8092, 95.2246

Trichromacy



Original Color

35.8701, 62.8027, 39.5098



Protanomaly

40.9261, 57.3597, 34.9011



Deuteranomaly

42.7662, 56.2936, 40.5100



Tritanomaly

41.3979, 62.0037, 70.7588

Monochromacy



Original Color

35.8701, 62.8027, 39.5098



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 35.8701, 62.8027, 39.5098 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 151) }
```

Border

The CSS property to change the border of an element to XYZ 35.8701, 62.8027, 39.5098 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, 151) }
```


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

```
.border{ border-color:rgb(0, 237, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8701, 62.8027, 39.5098 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, 151) }
```

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

```
.background{ background-color: rgb(0, 237,  
151) }
```

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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