

Converting Colors

XYZ(39.5889, 66.7581, 51.4847)

Have a look what the booklet for
XYZ(39.5889, 66.7581, 51.4847)
contains.

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Color

**XYZ(39.4900, 66.5994,
51.3311)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2AF
RGB	0, 242, 175
RGB Percent	0%, 95%, 69%
CMY	0.9999, 0.0510, 0.3137
CMYK	1.00, 0.00, 0.28, 0.05
HSL	163°, 100%, 47%
HSV	163°, 100%, 95%
XYZ	39.4900, 66.5994, 51.3311
YIQ	162.0040, -122.7250, -72.1410

Conversions

Conversions Part 2

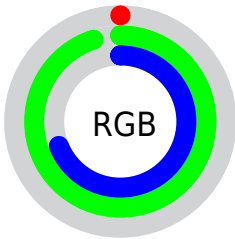
Format	Color
RYB	0, 140, 242
Decimal	62127
CIELab	85.30, -63.55, 19.00
CIELCh	85, 66.328, 163.354
Yxy	66.5994, 0.2509, 0.4231
Android (android.graphics.Color)	4278252207 (0xFF00F2AF)
YUV	162.0040, 6.4070, -142.0775
Hunter-Lab	81.6085, -56.4394, 19.8330

Details

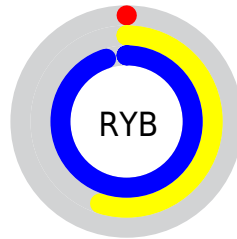
The XYZ color **39.4900, 66.5994, 51.3311** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **37.6338, 19.2843, 7.0544**, and the grayscale version is **34.3621, 36.1516, 39.3691**.

A 20% lighter version of the original color is **56.8659, 80.7343, 88.1874**, and **20.6533, 35.6861, 24.2119** is the 20% darker color. If you saturate the color by 10%, you get **39.4905, 66.6014, 51.3279**, and if you desaturate by 10%, it is **40.5484, 67.0688, 54.9039**.

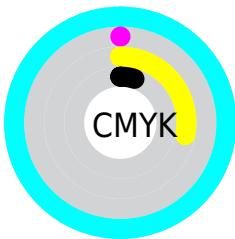
Distribution



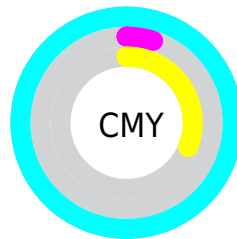
- Red (0%)
- Green (95%)
- Blue (69%)



- Red (0%)
- Yellow (55%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4900, 66.5994, 51.3311 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 39.4900, 66.5994, 51.3311 by changing the saturation by 10% instead.


 39.4900, 66.5994,
51.3311


 39.4900, 66.5994,
51.3311


335.1407,
448.5175, 408.7320


 27.3236, 48.7591,
36.0936


 73.6756, 114.3462,
93.5605


 17.9542, 34.4285,
24.2162

 96.4254, 145.0215,
121.3895


 11.0166, 23.2229,
15.2804


 123.4338,
180.7440, 154.2528

 6.1454, 14.7582,
8.8676

 155.0660,
221.8981, 192.5689

 2.9752, 8.6499,
4.5593

 191.6874,
268.8680, 236.7563

 1.1407, 4.5135,
1.9369

233.6635,

 0.0587, 1.9648,

322.0383, 287.2336

0.5161

281.3594,
381.7933, 344.4193

■ 0.0000, 0.5869,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.4900, 66.5994,
51.3311

■ 39.4900, 66.5994,
51.3311

■ 39.4905, 66.6014,
51.3279

■ 40.5484, 67.0688,
54.9039

■ 42.1136, 67.7939,
58.6718

■ 44.3356, 68.8537,
62.6457

■ 47.3032, 70.2940,
66.8321

■ 51.0911, 72.1532,
71.2367

■ 55.7645, 74.4648,
75.8648

■ 61.3819, 77.2590,
80.7212

■ 67.9968, 80.5633,
85.8107

■ 75.6585, 84.4030,
91.1376

Harmonies

Analogous

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



45.4906, 66.5994, 27.5049



39.4900, 66.5994, 51.3311



39.1777, 66.5994, 93.3198

Triad

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



39.4900, 66.5994, 51.3311



70.2000, 66.5994, 186.2547



86.6780, 66.5994, 29.3008

Complementary

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



39.4900, 66.5994, 51.3311



37.6338, 19.2843, 7.0544

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.



95.7201, 66.5994, 55.0585



39.4900, 66.5994, 51.3311



85.2412, 66.5994, 150.7011

Square

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



39.4900, 66.5994, 51.3311



55.3918, 66.5994, 183.9608



95.1562, 66.5994, 98.8485



71.9288, 66.5994, 18.6689

Rectangle

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



39.4900, 66.5994, 51.3311



42.1333, 66.5994, 128.0826



95.1562, 66.5994, 98.8485



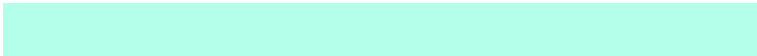
90.5827, 66.5994, 35.9165

Sweetspot

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



39.4918, 66.6020, 51.3327



69.0601, 86.9742, 90.8521



34.1788, 64.7570, 10.6989



14.1816, 18.3172, 18.9446



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.



39.4918, 66.6020, 51.3327



44.4527, 74.9971, 57.6953



34.3500, 43.0551, 90.5075



16.0498, 17.8499, 19.2850



21.2747, 35.8019, 27.8931



1.8117, 2.9951, 2.5410

Inverse Universe

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



37.6338, 19.2843, 7.0544



42.3648, 21.7099, 7.8533



37.8681, 21.3753, 2.1309



15.9526, 15.8308, 17.3068



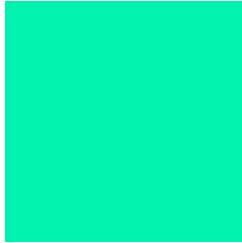
20.2655, 10.3786, 4.0485



1.7266, 0.8797, 0.5509

Previews

White Background



This preview shows how the XYZ color 39.4900, 66.5994, 51.3311 looks on a white background.

Color Contrast Check

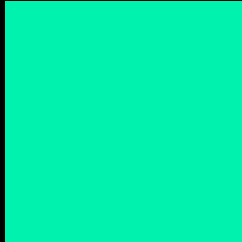
Large Text (above 18pt) WCAG AA × Fail

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 39.4900, 66.5994, 51.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

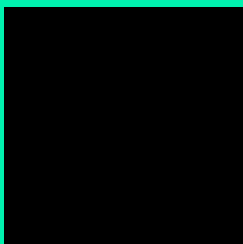
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

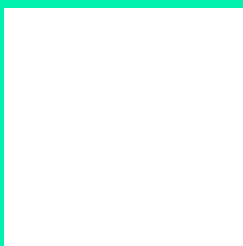
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4900, 66.5994, 51.3311

Background



This preview shows how black text looks on a background with the XYZ color 39.4900, 66.5994, 51.3311.

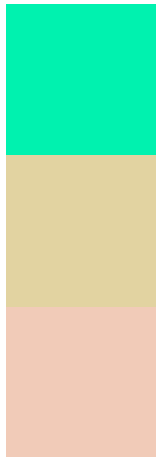


This preview shows how white text looks on a background with the XYZ color 39.4900, 66.5994,

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

39.4900, 66.5994, 51.3311

Protanopia

61.0913, 65.3305, 43.1084

Deuteranopia

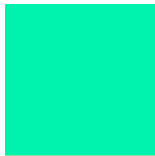
66.2833, 64.8733, 54.3757



Tritanopia

49.5775, 66.3837, 101.4671

Trichromacy



Original Color

39.4900, 66.5994, 51.3311



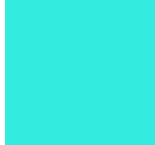
Protanomaly

44.5058, 60.9250, 45.4904



Deuteranomaly

46.2902, 59.7342, 52.8062



Tritanomaly

44.6800, 66.0224, 80.2008

Monochromacy



Original Color

39.4900, 66.5994, 51.3311



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.1994, 42.9352, 43.2022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4900, 66.5994, 51.3311 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, 242, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 175)  
}
```

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, 242, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 175) }
```

Border

The CSS property to change the border of an element to XYZ 39.4900, 66.5994, 51.3311 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, 242, 175) }
```


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

```
.border{ border-color:rgb(0, 242, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4900, 66.5994, 51.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 175) }
```

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

```
.background{ background-color: rgb(0, 242,  
175) }
```

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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