

Converting Colors

XYZ(33.5091, 62.6446, 34.5111)

Have a look what the booklet for
XYZ(33.5091, 62.6446, 34.5111)
contains.

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Color

**XYZ(35.4539, 63.5680,
34.4460)**

Conversions

Conversions Part 1

Format	Color
Hex	00EF8A
RGB	0, 239, 138
RGB Percent	0%, 94%, 54%
CMY	0.9999, 0.0627, 0.4588
CMYK	1.00, 0.00, 0.42, 0.06
HSL	155°, 100%, 47%
HSV	155°, 100%, 94%
XYZ	35.4539, 63.5680, 34.4460
YIQ	156.0250, -110.0230, -82.0790

Conversions

Conversions Part 2

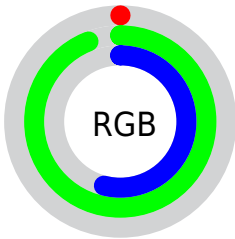
Format	Color
RYB	0, 152, 239
Decimal	61322
CIELab	83.74, -69.99, 35.69
CIELCh	84, 78.564, 152.982
Yxy	63.5680, 0.2656, 0.4763
Android (android.graphics.Color)	4278251402 (0xFF00EF8A)
YUV	156.0250, -8.8863, -136.8339
Hunter-Lab	79.7295, -60.1518, 30.1953

Details

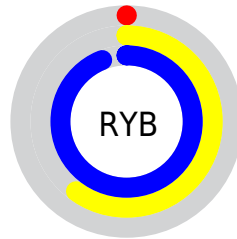
The XYZ color **35.4539, 63.5680, 34.4460** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **37.9478, 19.2916, 14.0392**, and the grayscale version is **31.6873, 33.3375, 36.3046**.

A 20% lighter version of the original color is **51.8300, 78.7053, 62.3291**, and **18.2036, 33.7196, 14.3532** is the 20% darker color. If you saturate the color by 10%, you get **35.4549, 63.5703, 34.4453**, and if you desaturate by 10%, it is **36.5958, 64.0699, 38.4979**.

Distribution



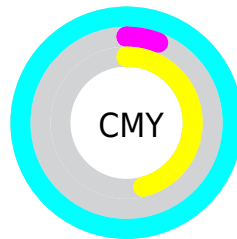
- Red (0%)
- Green (94%)
- Blue (54%)



- Red (0%)
- Yellow (60%)
- Blue (94%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (6%)





- Cyan (100%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4539, 63.5680, 34.4460 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 35.4539, 63.5680, 34.4460 by changing the saturation by 10% instead.


 35.4539, 63.5680,
34.4460


 35.4539, 63.5680,
34.4460


318.0403,
437.6279, 336.9459


 24.1809, 46.3009,
22.9563


 67.5177, 109.9886,
67.7684


 15.5933, 32.4833,
14.3563


 89.0393, 139.9108,
90.4383

 9.3259, 21.7309,
8.2273


 114.7077,
174.8201, 117.6719

 5.0131, 13.6593,
4.1509

 144.8883,
215.1010, 149.8879

 2.2898, 7.8841,
1.7085

 179.9465,
261.1379, 187.5047

 0.7894, 4.0209,
0.3665

220.2477,

 0.0000, 1.6852,

313.3150, 230.9409

0.0000

266.1572,
372.0169, 280.6152

■ 0.0000, 0.4141,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.4539, 63.5680,
34.4460

■ 35.4539, 63.5680,
34.4460

■ 35.4549, 63.5703,
34.4453

■ 36.5958, 64.0699,
38.4979

■ 38.2670, 64.8349,
42.9375

■ 40.6153, 65.9407,
47.7821

■ 43.7278, 67.4320,
53.0443

■ 47.6782, 69.3466,
58.7359

■ 52.5307, 71.7175,
64.8681

■ 58.3434, 74.5744,
71.4513

■ 65.1690, 77.9443,
78.4956

■ 73.0566, 81.8523,
86.0107

Harmonies

Analogous

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



44.1219, 63.5680, 16.2393



35.4539, 63.5680, 34.4460



33.0100, 63.5680, 74.2687

Triad

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



35.4539, 63.5680, 34.4460



62.1593, 63.5680, 213.7461



92.6820, 63.5680, 29.3514

Complementary

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



35.4539, 63.5680, 34.4460



37.9478, 19.2916, 14.0392

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.



99.9025, 63.5680, 64.3955



35.4539, 63.5680, 34.4460



80.3048, 63.5680, 183.1820

Square

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



35.4539, 63.5680, 34.4460



46.5870, 63.5680, 192.7888



94.9932, 63.5680, 121.8703



76.7501, 63.5680, 14.4331

Rectangle

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



35.4539, 63.5680, 34.4460



34.7675, 63.5680, 113.2543



94.9932, 63.5680, 121.8703



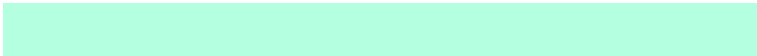
96.3322, 63.5680, 38.3894

Sweetspot

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



35.4555, 63.5706, 34.4475



67.5098, 86.3542, 82.6888



36.5276, 64.6532, 10.5545



13.8113, 18.1691, 16.9949



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.



35.4555, 63.5706, 34.4475



41.0448, 73.6339, 39.7492



41.9875, 59.0458, 90.8485



15.9485, 17.8094, 18.7518



19.6594, 35.1558, 19.3874



1.6851, 2.9445, 1.8741

Inverse Universe

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



37.9478, 19.2916, 14.0392



43.9344, 22.3378, 16.1185



35.7826, 18.7205, 1.7278



16.0500, 15.8697, 17.8194



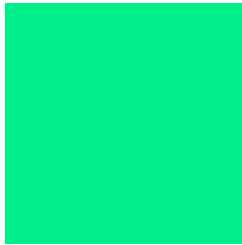
21.0320, 10.6852, 8.0853



1.7983, 0.9084, 0.9289

Previews

White Background



This preview shows how the XYZ color 35.4539, 63.5680, 34.4460 looks on a white background.

Color Contrast Check

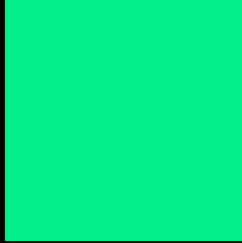
Large Text (above 18pt) WCAG AA × Fail

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 35.4539, 63.5680, 34.4460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

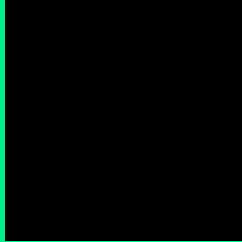
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4539, 63.5680, 34.4460

Background



This preview shows how black text looks on a background with the XYZ color 35.4539, 63.5680, 34.4460.

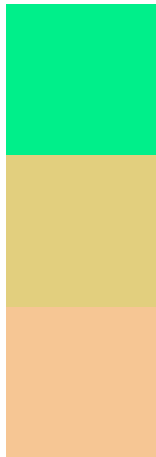


This preview shows how white text looks on a background with the XYZ color 35.4539, 63.5680,

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

35.4539, 63.5680, 34.4460

Protanopia

57.4427, 62.3008, 28.7364

Deuteranopia

63.5454, 62.1191, 36.6580



Tritanopia

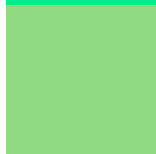
47.9750, 63.6054, 96.1347

Trichromacy



Original Color

35.4539, 63.5680, 34.4460



Protanomaly

40.8624, 58.2040, 30.1999



Deuteranomaly

42.7329, 56.7702, 35.0910



Tritanomaly

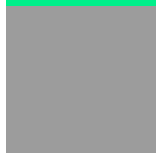
41.3474, 62.4488, 68.2671

Monochromacy



Original Color

35.4539, 63.5680, 34.4460



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.1293, 39.9404, 34.6605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4539, 63.5680, 34.4460 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, 239, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 239, 138)  
}
```

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, 239, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 239, 138) }
```

Border

The CSS property to change the border of an element to XYZ 35.4539, 63.5680, 34.4460 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, 239, 138) }
```


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

```
.border{ border-color:rgb(0, 239, 138) }
```

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

Here you see how a box with a 4 pixel rgb(0, 239, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 239, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 239, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 239,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4539, 63.5680, 34.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 239, 138) }
```

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

```
.background{ background-color: rgb(0, 239,  
138) }
```

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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