

Converting Colors

XYZ(34.2315, 56.1178, 49.4693)

Have a look what the booklet for
XYZ(34.2315, 56.1178, 49.4693)
contains.

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Color

**XYZ(34.1255, 55.8705,
49.5429)**

Conversions

Conversions Part 1

Format	Color
Hex	00DFAF
RGB	0, 223, 175
RGB Percent	0%, 87%, 69%
CMY	0.9999, 0.1255, 0.3137
CMYK	1.00, 0.00, 0.22, 0.13
HSL	167°, 100%, 44%
HSV	167°, 100%, 87%
XYZ	34.1255, 55.8705, 49.5429
YIQ	150.8510, -117.5000, -62.2040

Conversions

Conversions Part 2

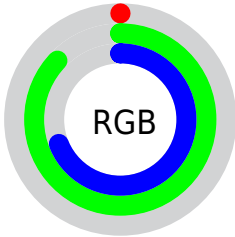
Format	Color
RYB	0, 125, 223
Decimal	57263
CIELab	79.54, -56.44, 10.90
CIELCh	80, 57.480, 169.073
Yxy	55.8705, 0.2446, 0.4004
Android (android.graphics.Color)	4278247343 (0xFF00DFAF)
YUV	150.8510, 11.9055, -132.2963
Hunter-Lab	74.7466, -49.3124, 13.0245

Details

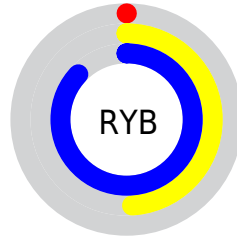
The XYZ color **34.1255, 55.8705, 49.5429** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **30.9670, 15.9028, 4.2370**, and the grayscale version is **29.3428, 30.8709, 33.6184**.

A 20% lighter version of the original color is **56.3681, 80.4777, 88.1641**, and **17.3939, 29.0675, 23.4327** is the 20% darker color. If you saturate the color by 10%, you get **34.1261, 55.8722, 49.5410**, and if you desaturate by 10%, it is **34.9449, 56.2389, 52.0881**.

Distribution



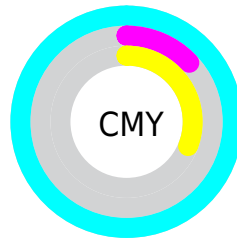
- Red (0%)
- Green (87%)
- Blue (69%)



- Red (0%)
- Yellow (49%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1255, 55.8705, 49.5429 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 34.1255, 55.8705, 49.5429 by changing the saturation by 10% instead.


 34.1255, 55.8705,
49.5429


 34.1255, 55.8705,
49.5429


312.2674,
409.2033, 401.5594


 23.1534, 40.0991,
34.6817


 65.4718, 98.8152,
90.8866


 14.8281, 27.6158,
23.1362


 86.5766, 126.7573,
118.2061


 8.7844, 18.0363,
14.4879


 111.7898,
159.5251, 150.5155

 4.6568, 10.9760,
8.3181

 141.4766,
197.5030, 188.2333

 2.0800, 6.0507,
4.2085

 176.0024,
241.0754, 231.7781

 0.6783, 2.8759,
1.7404

215.7326,

 0.0000, 1.0673,

290.6266, 281.5683

0.3882

261.0324,
346.5411, 338.0226

■ 0.0000, 0.0000,
0.0000

■ 34.1255, 55.8705,
49.5429

■ 34.1255, 55.8705,
49.5429

■ 34.1261, 55.8722,
49.5410

■ 34.9449, 56.2389,
52.0881

■ 36.1697, 56.8128,
54.7394

■ 37.9278, 57.6598,
57.5049

■ 40.2912, 58.8168,
60.3889

■ 43.3206, 60.3151,
63.3951

■ 47.0691, 62.1821,
66.5267

■ 51.5844, 64.4423,
69.7869

■ 56.9101, 67.1182,
73.1784

■ 63.0863, 70.2306,
76.7040

Harmonies

Analogous

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



38.0121, 55.8705, 27.9248



34.1255, 55.8705, 49.5429



34.7380, 55.8705, 84.1069

Triad

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



34.1255, 55.8705, 49.5429



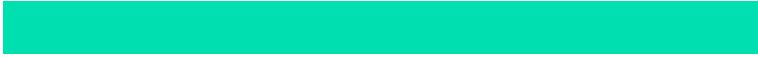
60.7060, 55.8705, 143.0522



69.0427, 55.8705, 24.2884

Complementary

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



34.1255, 55.8705, 49.5429



30.9670, 15.9028, 4.2370

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.



77.0131, 55.8705, 42.3060



34.1255, 55.8705, 49.5429



71.7380, 55.8705, 112.8154

Square

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



34.1255, 55.8705, 49.5429



48.9988, 55.8705, 147.2329



78.0654, 55.8705, 73.7210



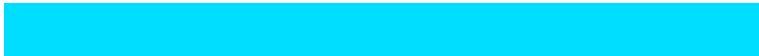
57.4307, 55.8705, 17.2817

Rectangle

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



34.1255, 55.8705, 49.5429



37.6433, 55.8705, 110.4501



78.0654, 55.8705, 73.7210



72.3045, 55.8705, 28.8745

Sweetspot

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



34.1270, 55.8727, 49.5442



69.7458, 87.2486, 94.4633



27.6238, 53.4140, 8.8548



14.3465, 18.3831, 19.8131



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.



34.1270, 55.8727, 49.5442



46.1975, 75.6950, 66.8830



25.8610, 30.4099, 74.3212



13.9836, 15.5192, 16.9489



20.1082, 32.8681, 29.3564



1.4256, 2.2910, 2.2025

Inverse Universe

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



30.9670, 15.9028, 4.2370



41.9271, 21.5348, 5.5482



32.2216, 19.2664, 2.0213



13.8274, 13.7486, 14.8612



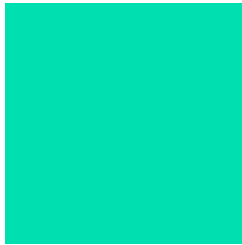
18.2411, 9.3634, 2.6694



1.2974, 0.6622, 0.3590

Previews

White Background



This preview shows how the XYZ color 34.1255, 55.8705, 49.5429 looks on a white background.

Color Contrast Check

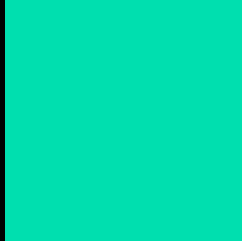
Large Text (above 18pt) WCAG AA × Fail

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 34.1255, 55.8705, 49.5429 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

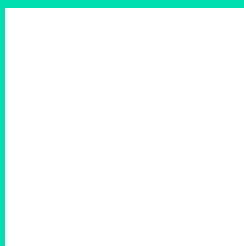
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1255, 55.8705, 49.5429

Background



This preview shows how black text looks on a background with the XYZ color 34.1255, 55.8705, 49.5429.



This preview shows how white text looks on a background with the XYZ color 34.1255, 55.8705,

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

34.1255, 55.8705, 49.5429

Protanopia

51.6803, 54.8688, 41.5851

Deuteranopia

55.9583, 54.8742, 52.4422



Tritanopia

41.4627, 55.7493, 85.6662

Trichromacy



Original Color

34.1255, 55.8705, 49.5429



Protanomaly

38.2300, 51.3214, 43.9675



Deuteranomaly

39.7723, 50.5575, 50.8424



Tritanomaly

37.9938, 55.4317, 70.9843

Monochromacy



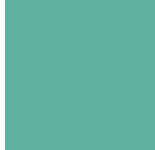
Original Color

34.1255, 55.8705, 49.5429



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.8912, 36.4691, 38.8796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1255, 55.8705, 49.5429 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, 223, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 223, 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, 223, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 223, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.1255, 55.8705, 49.5429 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, 223, 175) }
```


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

```
.border{ border-color:rgb(0, 223, 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, 223, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 223, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 223, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 223,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1255, 55.8705, 49.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 223, 175) }
```

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

```
.background{ background-color: rgb(0, 223,  
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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