

Converting Colors

XYZ(19.0941, 40.7494, 29.1412)

Have a look what the booklet for
XYZ(19.0941, 40.7494, 29.1412)
contains.

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Color

**XYZ(25.3542, 43.9345,
29.3342)**

Conversions

Conversions Part 1

Format	Color
Hex	00CA85
RGB	0, 202, 133
RGB Percent	0%, 79%, 52%
CMY	0.9999, 0.2078, 0.4784
CMYK	1.00, 0.00, 0.34, 0.21
HSL	160°, 100%, 40%
HSV	160°, 100%, 79%
XYZ	25.3542, 43.9345, 29.3342
YIQ	133.7360, -98.2430, -64.2830

Conversions

Conversions Part 2

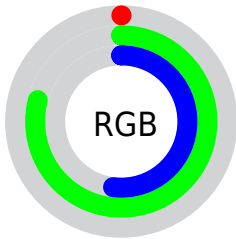
Format	Color
RYB	0, 122, 202
Decimal	51845
CIELab	72.18, -58.24, 22.87
CIELCh	72, 62.571, 158.561
Yxy	43.9345, 0.2571, 0.4455
Android (android.graphics.Color)	4278241925 (0xFF00CA85)
YUV	133.7360, -0.3628, -117.2865
Hunter-Lab	66.2831, -47.7167, 20.1588

Details

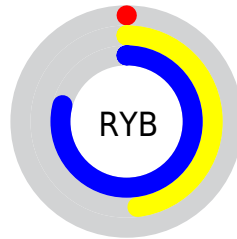
The XYZ color **25.3542, 43.9345, 29.3342** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.4331, 12.9875, 6.8004**, and the grayscale version is **22.5932, 23.7698, 25.8853**.

A 20% lighter version of the original color is **49.9898, 77.8319, 58.8427**, and **11.8402, 21.1823, 11.6482** is the 20% darker color. If you saturate the color by 10%, you get **25.3545, 43.9359, 29.3324**, and if you desaturate by 10%, it is **26.1408, 44.2842, 31.9434**.

Distribution



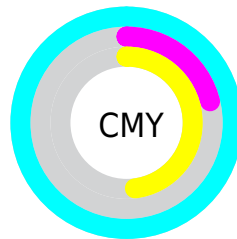
- Red (0%)
- Green (79%)
- Blue (52%)



- Red (0%)
- Yellow (48%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.3542, 43.9345, 29.3342 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 25.3542, 43.9345, 29.3342 by changing the saturation by 10% instead.


 25.3542, 43.9345,
29.3342


 25.3542, 43.9345,
29.3342


271.9125,
362.4409, 312.8987


 16.4713, 30.6190,
19.0860


 51.6700, 81.1192,
59.6561


 9.9512, 20.3089,
11.5550


 69.8336, 105.7572,
80.5670


 5.4286, 12.6198,
6.3226


 91.8215, 134.9381,
105.8692

 2.5382, 7.1673,
2.9703

 117.9990,
169.0464, 135.9812

 0.9146, 3.5669,
1.0795

 148.7315,
208.4664, 171.3216

 0.0000, 1.4344,
0.0000

184.3844,

 0.0000, 0.2419,

253.5826, 212.3090

0.0000

225.3229,
304.7793, 259.3618

■ 0.0000, 0.0000,
0.0000

■ 25.3542, 43.9345,
29.3342

■ 25.3542, 43.9345,
29.3342

■ 25.3545, 43.9359,
29.3324

■ 26.1408, 44.2842,
31.9434

■ 27.2640, 44.8027,
34.7339

■ 28.8308, 45.5460,
37.7148

■ 30.8978, 46.5434,
40.8914

■ 33.5128, 47.8195,
44.2689

■ 36.7177, 49.3957,
47.8520

■ 40.5503, 51.2915,
51.6451

■ 45.0451, 53.5246,
55.6524

■ 50.2342, 56.1115,
59.8780

Harmonies

Analogous

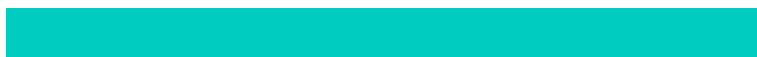
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.1777, 43.9345, 14.9224



25.3542, 43.9345, 29.3342



24.5054, 43.9345, 57.1783

Triad

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



25.3542, 43.9345, 29.3342



44.9040, 43.9345, 133.2302



60.0486, 43.9345, 19.6589

Complementary

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



25.3542, 43.9345, 29.3342



25.4331, 12.9875, 6.8004

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.



65.6504, 43.9345, 39.5733



25.3542, 43.9345, 29.3342



55.9772, 43.9345, 110.4747

Square

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



25.3542, 43.9345, 29.3342



34.6652, 43.9345, 126.5577



64.0450, 43.9345, 72.8347



49.7588, 43.9345, 11.2330

Rectangle

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



25.3542, 43.9345, 29.3342



26.1384, 43.9345, 81.9930



64.0450, 43.9345, 72.8347



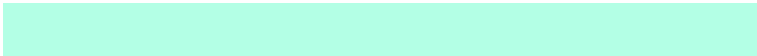
62.6160, 43.9345, 24.7923

Sweetspot

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



25.3554, 43.9362, 29.3352



68.3592, 86.6939, 87.1613



23.6991, 43.5715, 7.1617



14.0137, 18.2500, 18.0606



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.



25.3554, 43.9362, 29.3352



42.8173, 74.3429, 49.0832



25.3580, 33.6579, 61.0392



11.3741, 12.6594, 13.5273



16.3579, 28.2885, 19.1017



0.8786, 1.4732, 1.1681

Inverse Universe

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



25.4331, 12.9875, 6.8004



42.9649, 21.9500, 11.0135



24.8305, 13.5019, 1.2980



11.3679, 11.2759, 12.4717



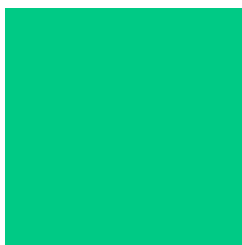
16.4027, 8.3717, 4.5733



0.8817, 0.4461, 0.4227

Previews

White Background



This preview shows how the XYZ color 25.3542, 43.9345, 29.3342 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 25.3542, 43.9345, 29.3342 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 25.3542, 43.9345, 29.3342

Background



This preview shows how black text looks on a background with the XYZ color 25.3542, 43.9345, 29.3342.



This preview shows how white text looks on a background with the XYZ color 25.3542, 43.9345,

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

25.3542, 43.9345, 29.3342

Protanopia

40.0780, 43.0122, 24.6022

Deuteranopia

43.8975, 43.1364, 31.2118



Tritanopia

32.9809, 43.9961, 66.4283

Trichromacy



Original Color

25.3542, 43.9345, 29.3342



Protanomaly

29.0000, 40.2692, 25.9829



Deuteranomaly

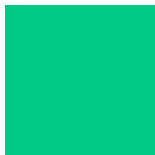
30.3172, 39.6286, 30.0959



Tritanomaly

29.1626, 43.3739, 50.5510

Monochromacy



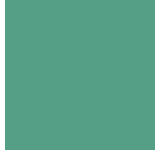
Original Color

25.3542, 43.9345, 29.3342



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

20.4475, 28.4488, 26.9677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3542, 43.9345, 29.3342 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, 202, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 133)  
}
```

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, 202, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 133) }
```

Border

The CSS property to change the border of an element to XYZ 25.3542, 43.9345, 29.3342 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, 202, 133) }
```


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

```
.border{ border-color:rgb(0, 202, 133) }
```

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

Here you see how a box with a 4 pixel rgb(0, 202, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3542, 43.9345, 29.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 133) }
```

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

```
.background{ background-color: rgb(0, 202,  
133) }
```

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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