

Converting Colors

XYZ(27.0403, 54.3478, 43.6242)

Have a look what the booklet for
XYZ(27.0403, 54.3478, 43.6242)
contains.

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Color

**XYZ(34.3543, 58.1311,
44.0601)**

Conversions

Conversions Part 1

Format	Color
Hex	00E4A3
RGB	0, 228, 163
RGB Percent	0%, 89%, 64%
CMY	0.9999, 0.1059, 0.3608
CMYK	1.00, 0.00, 0.29, 0.11
HSL	163°, 100%, 45%
HSV	163°, 100%, 89%
XYZ	34.3543, 58.1311, 44.0601
YIQ	152.4180, -115.0230, -68.5510

Conversions

Conversions Part 2

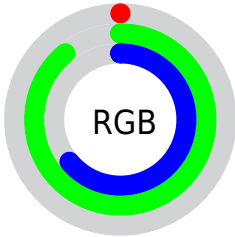
Format	Color
RYB	0, 133, 228
Decimal	58531
CIELab	80.81, -61.13, 18.99
CIELCh	81, 64.007, 162.745
Yxy	58.1311, 0.2516, 0.4257
Android (android.graphics.Color)	4278248611 (0xFF00E4A3)
YUV	152.4180, 5.2169, -133.6706
Hunter-Lab	76.2438, -52.9971, 19.1078

Details

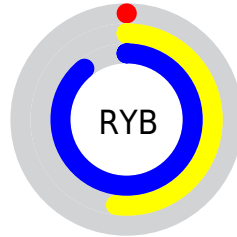
The XYZ color **34.3543, 58.1311, 44.0601** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **32.9516, 16.8774, 6.5274**, and the grayscale version is **30.0446, 31.6093, 34.4225**.

A 20% lighter version of the original color is **54.7216, 79.8332, 78.8549**, and **17.4322, 30.2735, 19.9635** is the 20% darker color. If you saturate the color by 10%, you get **34.3545, 58.1328, 44.0568**, and if you desaturate by 10%, it is **35.3027, 58.5525, 47.2254**.

Distribution



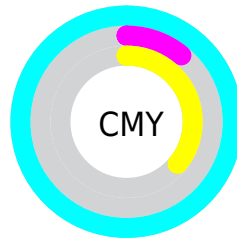
- Red (0%)
- Green (89%)
- Blue (64%)



- Red (0%)
- Yellow (52%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.3543, 58.1311, 44.0601 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 34.3543, 58.1311, 44.0601 by changing the saturation by 10% instead.


 34.3543, 58.1311,
44.0601


 34.3543, 58.1311,
44.0601


313.2672,
417.6743, 379.0020


 23.3301, 41.9141,
30.3802


 65.8249, 102.1137,
82.6116


 14.9595, 29.0340,
19.8729


 87.0020, 130.6481,
108.3203

 8.8771, 19.1065,
12.1195

 112.2941,
164.0571, 138.8757

 4.7176, 11.7473,
6.7016

 142.0666,
202.7250, 174.6964

 2.1156, 6.5718,
3.2006

 176.6847,
247.0363, 216.2008

 0.6977, 3.1958,
1.1979

216.5140,

 0.0000, 1.2348,

297.3753, 263.8075

0.0000

261.9197,
354.1265, 317.9350

■ 0.0000, 0.0899,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.3543, 58.1311,
44.0601

■ 34.3543, 58.1311,
44.0601

■ 34.3545, 58.1328,
44.0568

■ 35.3027, 58.5525,
47.2254

■ 36.6916, 59.1959,
50.5687

■ 38.6546, 60.1318,
54.0996

■ 41.2681, 61.3993,
57.8241

■ 44.5964, 63.0317,
61.7471

■ 48.6959, 65.0580,
65.8735

■ 53.6172, 67.5042,
70.2077

■ 59.4064, 70.3940,
74.7538

■ 66.1064, 73.7495,
79.5159

Harmonies

Analogous

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



39.7292, 58.1311, 23.4664



34.3543, 58.1311, 44.0601



33.9785, 58.1311, 80.7565

Triad

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



34.3543, 58.1311, 44.0601



61.0530, 58.1311, 164.1906



76.1055, 58.1311, 25.6199

Complementary

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



34.3543, 58.1311, 44.0601



32.9516, 16.8774, 6.5274

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.



83.9453, 58.1311, 48.5513



34.3543, 58.1311, 44.0601



74.3677, 58.1311, 133.2409

Square

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



34.3543, 58.1311, 44.0601



48.0483, 58.1311, 161.4070



83.2629, 58.1311, 87.4431



63.1417, 58.1311, 16.1139

Rectangle

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



34.3543, 58.1311, 44.0601



36.5076, 58.1311, 111.4152



83.2629, 58.1311, 87.4431



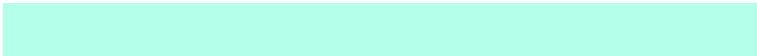
79.5138, 58.1311, 31.5135

Sweetspot

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



34.3559, 58.1334, 44.0615



68.9698, 86.9381, 90.3768



30.1582, 56.7331, 9.3621



14.1599, 18.3085, 18.8305



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.



34.3559, 58.1334, 44.0615



44.2336, 74.9095, 56.5415



30.8165, 39.2258, 79.3485



14.6230, 16.2626, 17.5456



19.8903, 33.5882, 25.7205



1.5093, 2.4978, 2.1086

Inverse Universe

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



32.9516, 16.8774, 6.5274



42.4330, 21.7372, 8.2121



32.9588, 18.4197, 1.8192



14.5451, 14.4352, 15.8049



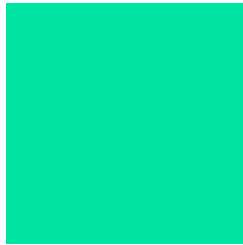
19.0703, 9.7623, 3.9992



1.4482, 0.7370, 0.5009

Previews

White Background



This preview shows how the XYZ color 34.3543, 58.1311, 44.0601 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 34.3543, 58.1311, 44.0601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

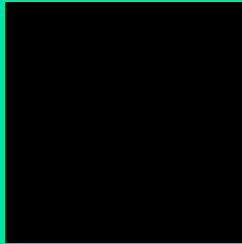
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

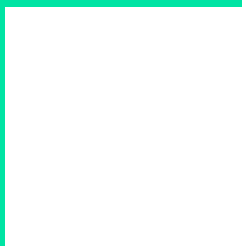
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.3543, 58.1311, 44.0601

Background



This preview shows how black text looks on a background with the XYZ color 34.3543, 58.1311, 44.0601.

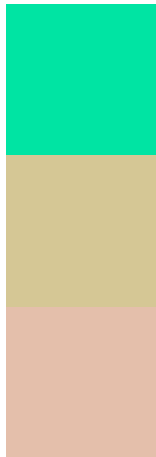


This preview shows how white text looks on a background with the XYZ color 34.3543, 58.1311,

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

34.3543, 58.1311, 44.0601

Protanopia

53.2888, 57.1629, 36.6587

Deuteranopia

57.9764, 56.6959, 46.4158



Tritanopia

43.4523, 58.2557, 88.3112

Trichromacy



Original Color

34.3543, 58.1311, 44.0601



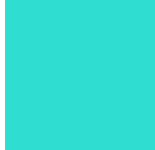
Protanomaly

39.0327, 53.6605, 38.8721



Deuteranomaly

40.3378, 52.0326, 44.9631



Tritanomaly

38.8488, 57.4744, 69.3677

Monochromacy



Original Color

34.3543, 58.1311, 44.0601



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

27.2518, 37.5842, 37.2706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.3543, 58.1311, 44.0601 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, 228, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 163)  
}
```

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, 228, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 163) }
```

Border

The CSS property to change the border of an element to XYZ 34.3543, 58.1311, 44.0601 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, 228, 163) }
```


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

```
.border{ border-color:rgb(0, 228, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 34.3543, 58.1311, 44.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 163) }
```

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

```
.background{ background-color: rgb(0, 228,  
163) }
```

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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