

Converting Colors

XYZ(30.9331, 52.5838, 53.6317)

Have a look what the booklet for
XYZ(30.9331, 52.5838, 53.6317)
contains.

XYZ(33.9832, 54.1237, 54.0032)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.9832, 54.1237,
54.0032)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBB8
RGB	0, 219, 184
RGB Percent	0%, 86%, 72%
CMY	0.9999, 0.1412, 0.2784
CMYK	1.00, 0.00, 0.16, 0.14
HSL	170°, 100%, 43%
HSV	170°, 100%, 86%
XYZ	33.9832, 54.1237, 54.0032
YIQ	149.5290, -119.2890, -57.3130

Conversions

Conversions Part 2

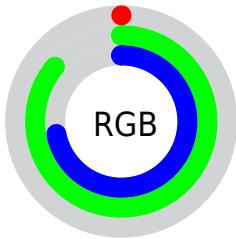
Format	Color
RYB	0, 119, 219
Decimal	56248
CIELab	78.53, -52.60, 4.68
CIELCh	79, 52.803, 174.919
Yxy	54.1237, 0.2391, 0.3809
Android (android.graphics.Color)	4278246328 (0xFF00DBB8)
YUV	149.5290, 16.9942, -131.1369
Hunter-Lab	73.5688, -46.2920, 7.9763

Details

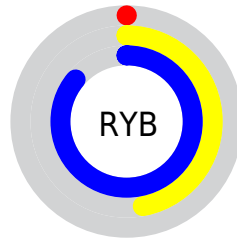
The XYZ color **33.9832, 54.1237, 54.0032** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.5187, 15.1829, 2.9676**, and the grayscale version is **28.7614, 30.2593, 32.9524**.

A 20% lighter version of the original color is **57.6725, 80.9994, 95.0329**, and **17.1939, 27.8331, 25.9388** is the 20% darker color. If you saturate the color by 10%, you get **33.9838, 54.1253, 54.0015**, and if you desaturate by 10%, it is **34.6854, 54.4440, 55.9768**.

Distribution



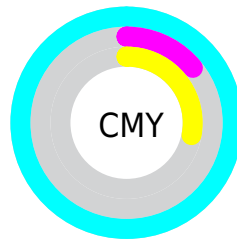
- Red (0%)
- Green (86%)
- Blue (72%)



- Red (0%)
- Yellow (47%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9832, 54.1237, 54.0032 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 33.9832, 54.1237, 54.0032 by changing the saturation by 10% instead.


 33.9832, 54.1237,
54.0032


 33.9832, 54.1237,
54.0032


311.6444,
402.5815, 419.2972


 23.0435, 38.7006,
38.2110


 65.2520, 96.2558,
97.5354


 14.7465, 26.5269,
25.8434


 86.3118, 123.7337,
126.1125

 8.7268, 17.2182,
16.4818

 111.4758,
155.9985, 159.7883

 4.6191, 10.3902,
9.7077

 141.1092,
193.4347, 198.9814

 2.0580, 5.6584,
5.1025

 175.5774,
236.4267, 244.1103

 0.6662, 2.6385,
2.2478

215.2457,

 0.0000, 0.9461,

285.3589, 295.5935

0.7017

260.4796,
340.6157, 353.8496

■ 0.0000, 0.0000,
0.0000

■ 33.9832, 54.1237,
54.0032

■ 33.9832, 54.1237,
54.0032

■ 33.9838, 54.1253,
54.0015

■ 34.6854, 54.4440,
55.9768

■ 35.7683, 54.9583,
58.0148

■ 37.3556, 55.7316,
60.1245

■ 39.5160, 56.7991,
62.3094

■ 42.3073, 58.1909,
64.5726

■ 45.7802, 59.9330,
66.9167

■ 49.9803, 62.0489,
69.3442

■ 54.9492, 64.5599,
71.8574

■ 60.7252, 67.4860,
74.4583

Harmonies

Analogous

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



36.7512, 54.1237, 31.7621



33.9832, 54.1237, 54.0032



35.3538, 54.1237, 86.5078

Triad

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



33.9832, 54.1237, 54.0032



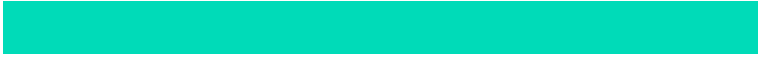
60.3377, 54.1237, 127.6309



63.8143, 54.1237, 23.3886

Complementary

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



33.9832, 54.1237, 54.0032



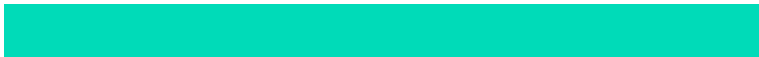
29.5187, 15.1829, 2.9676

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.



71.7951, 54.1237, 37.9433



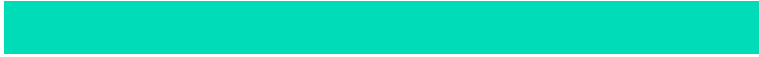
33.9832, 54.1237, 54.0032



69.6058, 54.1237, 98.3592

Square

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



33.9832, 54.1237, 54.0032



49.6920, 54.1237, 136.3722



74.0453, 54.1237, 64.1509



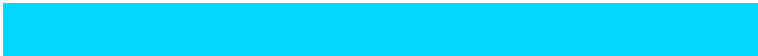
53.2345, 54.1237, 18.3106

Rectangle

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



33.9832, 54.1237, 54.0032



38.5413, 54.1237, 109.3312



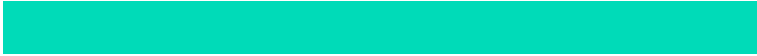
74.0453, 54.1237, 64.1509



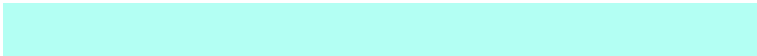
66.9435, 54.1237, 27.0348

Sweetspot

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



33.9847, 54.1258, 54.0045



70.3782, 87.5015, 97.7935



26.0787, 51.0495, 8.4800



14.4992, 18.4442, 20.6171



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.



33.9847, 54.1258, 54.0045



47.9282, 76.3873, 75.9967



23.0680, 25.6768, 70.7605



13.3508, 14.7919, 16.3102



20.1840, 32.1062, 32.1982



1.3321, 2.0898, 2.2149

Inverse Universe

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



29.5187, 15.1829, 2.9676



41.6361, 21.4184, 4.0157



31.5987, 19.8288, 2.1629



13.1405, 13.0853, 14.0011



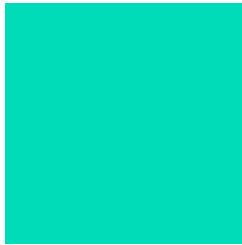
17.5284, 9.0124, 1.8967



1.1624, 0.5946, 0.2642

Previews

White Background



This preview shows how the XYZ color 33.9832, 54.1237, 54.0032 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 33.9832, 54.1237, 54.0032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

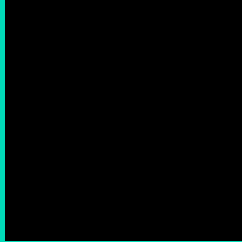
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

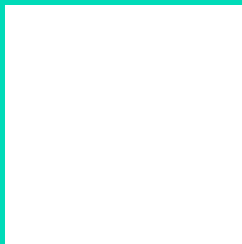
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9832, 54.1237, 54.0032

Background



This preview shows how black text looks on a background with the XYZ color 33.9832, 54.1237, 54.0032.



This preview shows how white text looks on a background with the XYZ color 33.9832, 54.1237,

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

33.9832, 54.1237, 54.0032

Protanopia

50.1927, 53.0191, 45.6185

Deuteranopia

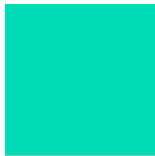
54.1143, 52.8764, 56.6443



Tritanopia

40.0638, 54.3258, 83.2373

Trichromacy



Original Color

33.9832, 54.1237, 54.0032



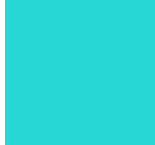
Protanomaly

37.7605, 49.9254, 48.2038



Deuteranomaly

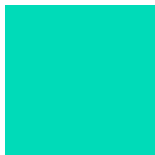
39.2629, 49.1699, 54.9983



Tritanomaly

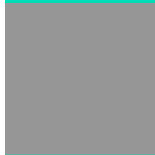
37.1474, 53.8363, 71.3844

Monochromacy



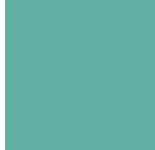
Original Color

33.9832, 54.1237, 54.0032



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.5709, 35.7015, 39.6731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9832, 54.1237, 54.0032 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, 219, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 184)  
}
```

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, 219, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 184) }
```

Border

The CSS property to change the border of an element to XYZ 33.9832, 54.1237, 54.0032 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, 219, 184) }
```


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

```
.border{ border-color:rgb(0, 219, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9832, 54.1237, 54.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 184) }
```

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

```
.background{ background-color: rgb(0, 219,  
184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor