

Converting Colors

XYZ(33.9387, 52.8663, 57.5902)

Have a look what the booklet for
XYZ(33.9387, 52.8663, 57.5902)
contains.

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Color

**XYZ(33.9598, 52.8733,
57.7059)**

Conversions

Conversions Part 1

Format	Color
Hex	00D8BF
RGB	0, 216, 191
RGB Percent	0%, 85%, 75%
CMY	0.9999, 0.1529, 0.2510
CMYK	1.00, 0.00, 0.12, 0.15
HSL	173°, 100%, 42%
HSV	173°, 100%, 85%
XYZ	33.9598, 52.8733, 57.7059
YIQ	148.5660, -120.7110, -53.5670

Conversions

Conversions Part 2

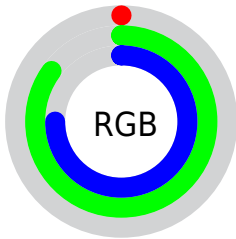
Format	Color
RYB	0, 115, 216
Decimal	55487
CIELab	77.80, -49.51, -0.13
CIELCh	78, 49.515, 180.147
Yxy	52.8733, 0.2350, 0.3658
Android (android.graphics.Color)	4278245567 (0xFF00D8BF)
YUV	148.5660, 20.9200, -130.2924
Hunter-Lab	72.7140, -43.8843, 3.8472

Details

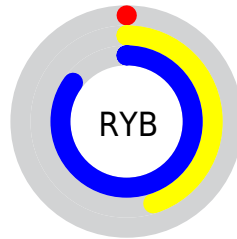
The XYZ color **33.9598, 52.8733, 57.7059** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **28.4962, 14.6706, 2.2517**, and the grayscale version is **28.3415, 29.8175, 32.4712**.

A 20% lighter version of the original color is **58.6119, 81.3612, 100.6108**, and **17.1583, 26.9766, 28.3474** is the 20% darker color. If you saturate the color by 10%, you get **33.9604, 52.8749, 57.7046**, and if you desaturate by 10%, it is **34.5614, 53.1526, 59.1842**.

Distribution



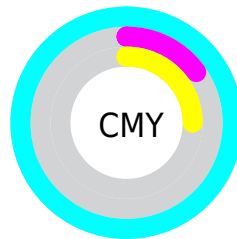
- Red (0%)
- Green (85%)
- Blue (75%)



- Red (0%)
- Yellow (45%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9598, 52.8733, 57.7059 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 33.9598, 52.8733, 57.7059 by changing the saturation by 10% instead.


 33.9598, 52.8733,
57.7059


 33.9598, 52.8733,
57.7059


311.5418,
397.7988, 433.6568


 23.0255, 37.7016,
41.1591


 65.2159, 94.4179,
103.0050


 14.7331, 25.7512,
28.1228


 86.2683, 121.5596,
132.5944


 8.7174, 16.6376,
18.1784


 111.4241,
153.4602, 167.3684

 4.6129, 9.9765,
10.9074

 141.0487,
190.5039, 207.7456

 2.0544, 5.3833,
5.8912

 175.5074,
233.0753, 254.1445

 0.6642, 2.4739,
2.7113

215.1656,

 0.0000, 0.8635,

281.5586, 306.9836

0.9491

260.3886,
336.3383, 366.6815

■ 0.0000, 0.0000,
0.0000

■ 33.9598, 52.8733,
57.7059

■ 33.9598, 52.8733,
57.7059

■ 33.9604, 52.8749,
57.7046

■ 34.5614, 53.1526,
59.1842

■ 35.5271, 53.6178,
60.7030

■ 36.9772, 54.3322,
62.2693

■ 38.9780, 55.3300,
63.8862

■ 41.5855, 56.6399,
65.5565

■ 44.8486, 58.2872,
67.2826

■ 48.8112, 60.2947,
69.0667

■ 53.5136, 62.6829,
70.9108

■ 58.9927, 65.4710,
72.8166

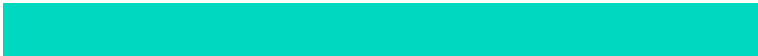
Harmonies

Analogous

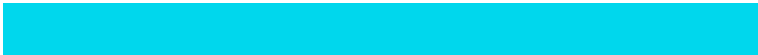
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8816, 52.8733, 35.0562



33.9598, 52.8733, 57.7059



35.9194, 52.8733, 88.4195

Triad

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



33.9598, 52.8733, 57.7059



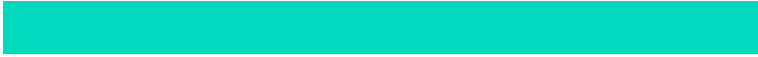
60.1093, 52.8733, 116.4707



60.0169, 52.8733, 22.8085

Complementary

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



33.9598, 52.8733, 57.7059



28.4962, 14.6706, 2.2517

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.



67.9712, 52.8733, 34.8875



33.9598, 52.8733, 57.7059



68.0292, 52.8733, 88.1069

Square

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



33.9598, 52.8733, 57.7059



50.3019, 52.8733, 128.2901



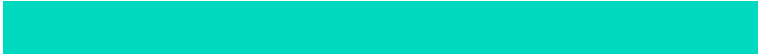
71.0715, 52.8733, 57.4344



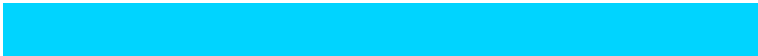
50.2071, 52.8733, 19.2292

Rectangle

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



33.9598, 52.8733, 57.7059



39.3269, 52.8733, 108.4534



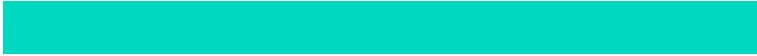
71.0715, 52.8733, 57.4344



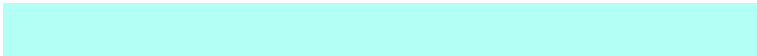
63.0392, 52.8733, 25.7696

Sweetspot

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



33.9613, 52.8753, 57.7072



70.8917, 87.7069, 100.4973



24.9636, 49.3231, 8.2057



14.6235, 18.4939, 21.2719



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.



33.9613, 52.8753, 57.7072



49.4161, 76.9825, 83.8322



20.8127, 21.7926, 68.0774



12.7274, 14.0820, 15.6449



20.1263, 31.3059, 34.2904



1.2319, 1.8954, 2.1628

Inverse Universe

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



28.4962, 14.6706, 2.2517



41.4683, 21.3513, 3.1320



31.3999, 20.7592, 2.3530



12.4811, 12.4440, 13.2080



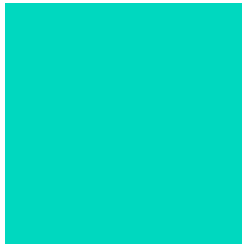
16.8862, 8.6908, 1.4390



1.0385, 0.5322, 0.1921

Previews

White Background



This preview shows how the XYZ color 33.9598, 52.8733, 57.7059 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 33.9598, 52.8733, 57.7059 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

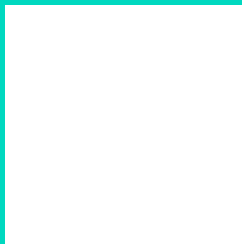
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9598, 52.8733, 57.7059

Background



This preview shows how black text looks on a background with the XYZ color 33.9598, 52.8733, 57.7059.

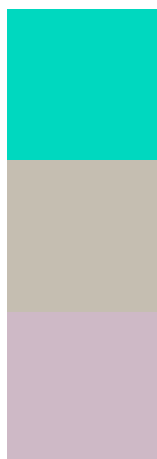


This preview shows how white text looks on a background with the XYZ color 33.9598, 52.8733,

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

33.9598, 52.8733, 57.7059

Protanopia

49.3752, 51.8716, 49.0048

Deuteranopia

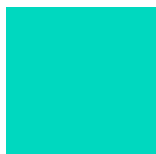
52.9956, 51.8970, 60.6500



Tritanopia

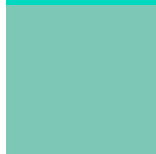
38.9852, 53.0598, 81.5856

Trichromacy



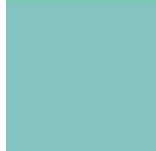
Original Color

33.9598, 52.8733, 57.7059



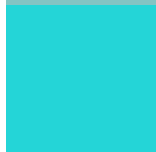
Protanomaly

37.3244, 48.5842, 51.6665



Deuteranomaly

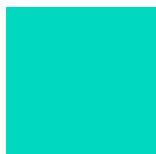
38.9503, 48.2453, 58.8891



Tritanomaly

36.7875, 52.8699, 72.5560

Monochromacy



Original Color

33.9598, 52.8733, 57.7059



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.3637, 35.0004, 40.4882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9598, 52.8733, 57.7059 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, 216, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 191)  
}
```

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, 216, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 191) }
```

Border

The CSS property to change the border of an element to XYZ 33.9598, 52.8733, 57.7059 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, 216, 191) }
```


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

```
.border{ border-color:rgb(0, 216, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9598, 52.8733, 57.7059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 191) }
```

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

```
.background{ background-color: rgb(0, 216,  
191) }
```

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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