

Converting Colors

XYZ(29.8694, 55.5733, 41.2120)

Have a look what the booklet for
XYZ(29.8694, 55.5733, 41.2120)
contains.

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Color

**XYZ(33.5549, 57.3725,
41.2038)**

Conversions

Conversions Part 1

Format	Color
Hex	00E39D
RGB	0, 227, 157
RGB Percent	0%, 89%, 62%
CMY	0.9999, 0.1098, 0.3843
CMYK	1.00, 0.00, 0.31, 0.11
HSL	161°, 100%, 45%
HSV	161°, 100%, 89%
XYZ	33.5549, 57.3725, 41.2038
YIQ	151.1470, -112.8220, -69.8940

Conversions

Conversions Part 2

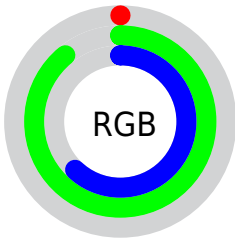
Format	Color
RYB	0, 134, 227
Decimal	58269
CIELab	80.39, -62.09, 21.52
CIELCh	80, 65.713, 160.879
Yxy	57.3725, 0.2540, 0.4342
Android (android.graphics.Color)	4278248349 (0xFF00E39D)
YUV	151.1470, 2.8855, -132.5559
Hunter-Lab	75.7446, -53.4776, 20.7685

Details

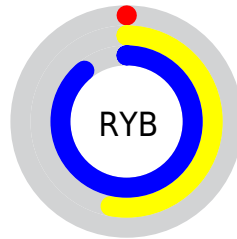
The XYZ color **33.5549, 57.3725, 41.2038** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **32.7864, 16.7746, 7.3087**, and the grayscale version is **29.5050, 31.0416, 33.8043**.

A 20% lighter version of the original color is **53.8280, 79.4616, 74.7879**, and **16.9245, 29.7694, 18.2187** is the 20% darker color. If you saturate the color by 10%, you get **33.5554, 57.3743, 41.2015**, and if you desaturate by 10%, it is **34.5183, 57.7996, 44.4606**.

Distribution



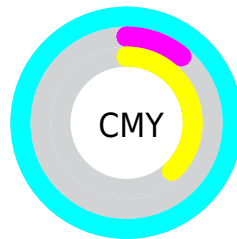
- Red (0%)
- Green (89%)
- Blue (62%)



- Red (0%)
- Yellow (53%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5549, 57.3725, 41.2038 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 33.5549, 57.3725, 41.2038 by changing the saturation by 10% instead.


 33.5549, 57.3725,
41.2038


 33.5549, 57.3725,
41.2038


309.7637,
414.8436, 366.8735


 22.7131, 41.3044,
28.1575


 64.5898, 101.0085,
78.2502


 14.5014, 28.5570,
18.2043


 85.5136, 129.3452,
103.0873


 8.5542, 18.7460,
10.9258


 110.5289,
162.5402, 132.6918

 4.5063, 11.4869,
5.9034

 140.0009,
200.9779, 167.4822

 1.9924, 6.3953,
2.7186

 174.2951,
245.0427, 207.8771

 0.6297, 3.0869,
0.9528

213.7767,

 0.0000, 1.1773,

295.1190, 254.2948

0.0000

258.8111,
351.5912, 307.1541

■ 0.0000, 0.0430,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5549, 57.3725,
41.2038

■ 33.5549, 57.3725,
41.2038

■ 33.5554, 57.3743,
41.2015

■ 34.5183, 57.7996,
44.4606

■ 35.9222, 58.4482,
47.9185

■ 37.8993, 59.3883,
51.5878

■ 40.5251, 60.6586,
55.4747

■ 43.8635, 62.2921,
59.5850

■ 47.9703, 64.3175,
63.9239

■ 52.8957, 66.7605,
68.4963

■ 58.6855, 69.6448,
73.3071

■ 65.3820, 72.9920,
78.3605

Harmonies

Analogous

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



39.2890, 57.3725, 21.5215



33.5549, 57.3725, 41.2038



32.8634, 57.3725, 77.5252

Triad

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



33.5549, 57.3725, 41.2038



59.5617, 57.3725, 167.1563



76.5274, 57.3725, 25.4385

Complementary

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



33.5549, 57.3725, 41.2038



32.7864, 16.7746, 7.3087

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.



84.0918, 57.3725, 49.5003



33.5549, 57.3725, 41.2038



73.2786, 57.3725, 136.9183

Square

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



33.5549, 57.3725, 41.2038



46.4868, 57.3725, 161.8998



82.8136, 57.3725, 90.0218



63.4531, 57.3725, 15.3538

Rectangle

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



33.5549, 57.3725, 41.2038



35.2019, 57.3725, 108.7417



82.8136, 57.3725, 90.0218



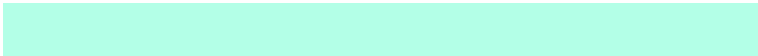
79.8889, 57.3725, 31.6327

Sweetspot

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



33.5564, 57.3748, 41.2051



68.7164, 86.8368, 89.0424



30.1354, 56.3142, 9.2822



14.0992, 18.2842, 18.5107



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.



33.5564, 57.3748, 41.2051



43.6318, 74.6687, 53.3723



31.2969, 40.4082, 78.8258



14.6083, 16.2567, 17.4678



19.6234, 33.4815, 24.3150



1.4912, 2.4906, 2.0134

Inverse Universe

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



32.7864, 16.7746, 7.3087



42.6383, 21.8193, 9.2936



32.4951, 17.9620, 1.7551



14.5591, 14.4408, 15.8787



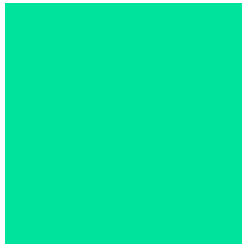
19.1658, 9.8006, 4.5023



1.4568, 0.7404, 0.5458

Previews

White Background



This preview shows how the XYZ color 33.5549, 57.3725, 41.2038 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 33.5549, 57.3725, 41.2038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

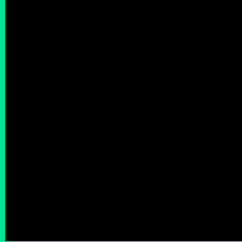
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5549, 57.3725, 41.2038

Background



This preview shows how black text looks on a background with the XYZ color 33.5549, 57.3725, 41.2038.

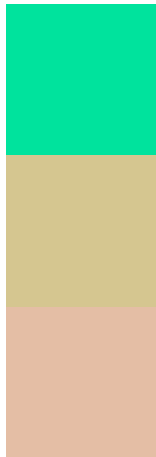


This preview shows how white text looks on a background with the XYZ color 33.5549, 57.3725,

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

33.5549, 57.3725, 41.2038

Protanopia

52.6687, 56.5479, 34.5245

Deuteranopia

57.1999, 56.0375, 43.3989



Tritanopia

42.8688, 57.2016, 87.3789

Trichromacy



Original Color

33.5549, 57.3725, 41.2038



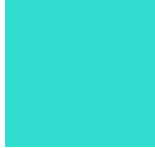
Protanomaly

38.3786, 53.0051, 36.6420



Deuteranomaly

39.5546, 51.3402, 42.0073



Tritanomaly

38.3856, 56.8709, 67.9855

Monochromacy



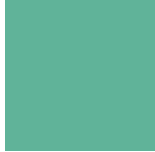
Original Color

33.5549, 57.3725, 41.2038



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.6937, 37.0269, 35.8770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5549, 57.3725, 41.2038 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, 227, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 157)  
}
```

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, 227, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 157) }
```

Border

The CSS property to change the border of an element to XYZ 33.5549, 57.3725, 41.2038 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, 227, 157) }
```


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

```
.border{ border-color:rgb(0, 227, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5549, 57.3725, 41.2038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 157) }
```

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

```
.background{ background-color: rgb(0, 227,  
157) }
```

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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