

Converting Colors

XYZ(33.5162, 55.1368, 47.8447)

Have a look what the booklet for
XYZ(33.5162, 55.1368, 47.8447)
contains.

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Color

**XYZ(33.5677, 55.2211,
47.9193)**

Conversions

Conversions Part 1

Format	Color
Hex	00DEAC
RGB	0, 222, 172
RGB Percent	0%, 87%, 67%
CMY	0.9999, 0.1294, 0.3255
CMYK	1.00, 0.00, 0.23, 0.13
HSL	166°, 100%, 44%
HSV	166°, 100%, 87%
XYZ	33.5677, 55.2211, 47.9193
YIQ	149.9220, -116.2620, -62.6140

Conversions

Conversions Part 2

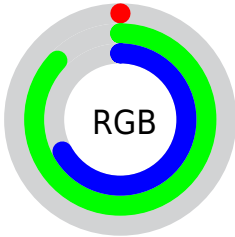
Format	Color
RYB	0, 125, 222
Decimal	57004
CIELab	79.17, -56.78, 11.95
CIELCh	79, 58.028, 168.112
Yxy	55.2211, 0.2455, 0.4039
Android (android.graphics.Color)	4278247084 (0xFF00DEAC)
YUV	149.9220, 10.8845, -131.4816
Hunter-Lab	74.3109, -49.4121, 13.7845

Details

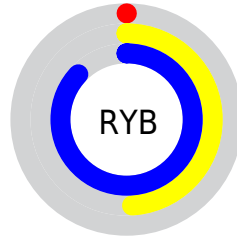
The XYZ color **33.5677, 55.2211, 47.9193** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **30.7021, 15.7615, 4.4458**, and the grayscale version is **28.9520, 30.4598, 33.1707**.

A 20% lighter version of the original color is **55.6885, 80.1919, 85.2165**, and **17.0264, 28.6285, 22.3978** is the 20% darker color. If you saturate the color by 10%, you get **33.5680, 55.2227, 47.9166**, and if you desaturate by 10%, it is **34.3944, 55.5921, 50.5141**.

Distribution



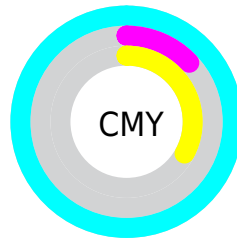
- Red (0%)
- Green (87%)
- Blue (67%)



- Red (0%)
- Yellow (49%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5677, 55.2211, 47.9193 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 33.5677, 55.2211, 47.9193 by changing the saturation by 10% instead.

 33.5677, 55.2211,
47.9193


 33.5677, 55.2211,
47.9193


309.8201,
406.7495, 394.9716

 22.7230, 39.5788,
33.4034


 64.6096, 97.8648,
88.4485


 14.5087, 27.2103,
22.1620


 85.5375, 125.6350,
115.2990


 8.5594, 17.7312,
13.7766

 110.5572,
158.2166, 147.0981

 4.5097, 10.7572,
7.8285

 140.0341,
195.9940, 184.2643

 1.9943, 5.9038,
3.8992

 174.3335,
239.3516, 227.2162

 0.6308, 2.7867,
1.5702

213.8207,

 0.0000, 1.0214,

288.6738, 276.3724

0.2694

258.8611,
344.3449, 332.1514

■ 0.0000, 0.0000,
0.0000

■ 33.5677, 55.2211,
47.9193

■ 33.5677, 55.2211,
47.9193

■ 33.5680, 55.2227,
47.9166

■ 34.3944, 55.5921,
50.5141

■ 35.6236, 56.1671,
53.2218

■ 37.3822, 57.0129,
56.0507

■ 39.7414, 58.1662,
59.0051

■ 42.7611, 59.6578,
62.0887

■ 46.4940, 61.5149,
65.3049

■ 50.9873, 63.7617,
68.6568

■ 56.2840, 66.4205,
72.1475

■ 62.4240, 69.5117,
75.7797

Harmonies

Analogous

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



37.5891, 55.2211, 26.7998



33.5677, 55.2211, 47.9193



34.0344, 55.2211, 82.2172

Triad

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



33.5677, 55.2211, 47.9193



59.7193, 55.2211, 143.4196



68.8068, 55.2211, 24.0427

Complementary

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



33.5677, 55.2211, 47.9193



30.7021, 15.7615, 4.4458

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.



76.6303, 55.2211, 42.3959



33.5677, 55.2211, 47.9193



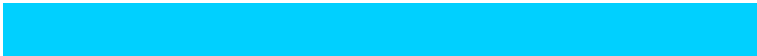
70.8754, 55.2211, 113.5670

Square

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



33.5677, 55.2211, 47.9193



48.0299, 55.2211, 146.6434



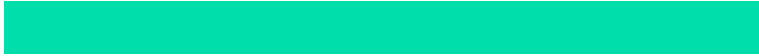
77.4386, 55.2211, 74.2482



57.2095, 55.2211, 16.8140

Rectangle

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



33.5677, 55.2211, 47.9193



36.8389, 55.2211, 108.7170



77.4386, 55.2211, 74.2482



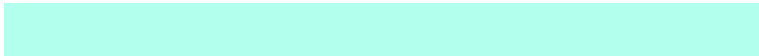
72.0344, 55.2211, 28.7232

Sweetspot

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



33.5692, 55.2232, 47.9206



69.6335, 87.2036, 93.8717



27.5297, 52.9700, 8.7743



14.3194, 18.3723, 19.6706



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.



33.5692, 55.2232, 47.9206



45.9021, 75.5768, 65.3276



26.2495, 31.4019, 73.7874



13.9775, 15.5167, 16.9169



19.9819, 32.8176, 28.6913



1.4179, 2.2879, 2.1616

Inverse Universe

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



30.7021, 15.7615, 4.4458



41.9896, 21.5598, 5.8774



31.7011, 18.6815, 1.9360



13.8330, 13.7509, 14.8910



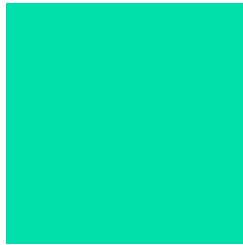
18.2700, 9.3750, 2.8217



1.3002, 0.6633, 0.3735

Previews

White Background



This preview shows how the XYZ color 33.5677, 55.2211, 47.9193 looks on a white background.

Color Contrast Check

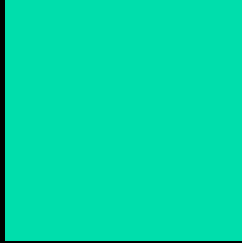
Large Text (above 18pt) WCAG AA × Fail

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 33.5677, 55.2211, 47.9193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

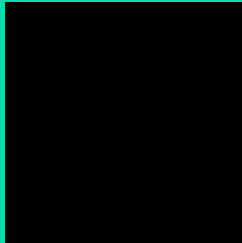
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

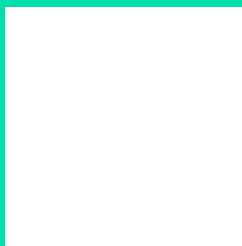
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5677, 55.2211, 47.9193

Background



This preview shows how black text looks on a background with the XYZ color 33.5677, 55.2211, 47.9193.



This preview shows how white text looks on a background with the XYZ color 33.5677, 55.2211,

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

33.5677, 55.2211, 47.9193

Protanopia

50.9169, 54.1740, 40.1208

Deuteranopia

55.4349, 54.3218, 50.7434



Tritanopia

40.9246, 55.1279, 84.0851

Trichromacy



Original Color

33.5677, 55.2211, 47.9193



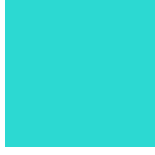
Protanomaly

37.5638, 50.6554, 42.4480



Deuteranomaly

39.2375, 49.9718, 49.1725



Tritanomaly

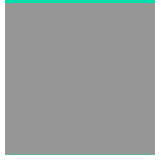
37.4844, 54.8143, 69.5774

Monochromacy



Original Color

33.5677, 55.2211, 47.9193



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.4162, 35.9522, 37.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5677, 55.2211, 47.9193 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, 222, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 172)  
}
```

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, 222, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.5677, 55.2211, 47.9193 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, 222, 172) }
```


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

```
.border{ border-color:rgb(0, 222, 172) }
```

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

Here you see how a box with a 4 pixel rgb(0, 222, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5677, 55.2211, 47.9193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 172) }
```

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

```
.background{ background-color: rgb(0, 222,  
172) }
```

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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