

# Converting Colors

XYZ(33.4693, 53.9673, 49.0733)

Have a look what the booklet for  
XYZ(33.4693, 53.9673, 49.0733)  
contains.

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# Color

**XYZ(33.4954, 53.9778,  
49.2108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1ADBAF
RGB	26, 219, 175
RGB Percent	10%, 86%, 69%
CMY	0.8980, 0.1412, 0.3137
CMYK	0.88, 0.00, 0.20, 0.14
HSL	166°, 79%, 48%
HSV	166°, 88%, 86%
XYZ	33.4954, 53.9778, 49.2108
YIQ	156.2770, -100.9040, -54.6000

# Conversions

## Conversions Part 2

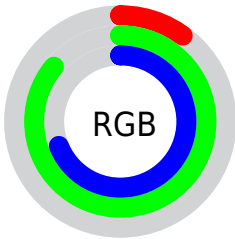
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">26, 135, 219</a>
Decimal	<a href="#">1760175</a>
CIELab	<a href="#">78.45, -53.94, 9.36</a>
CIELCh	<a href="#">78, 54.741, 170.156</a>
Yxy	<a href="#">53.9778, 0.2451, 0.3949</a>
Android (android.graphics.Color)	<a href="#">4279950255</a> ( <a href="#">0xFF1ADBAF</a> )
YUV	<a href="#">156.2770, 9.2304, -114.2529</a>
Hunter-Lab	<a href="#">73.4696, -47.1921, 11.7156</a>

# Details

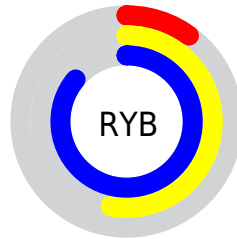
The XYZ color **33.4954, 53.9778, 49.2108** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **30.6903, 16.2426, 7.3150**, and the grayscale version is **31.7189, 33.3707, 36.3407**.

A 20% lighter version of the original color is **56.8659, 80.7343, 88.1874**, and **16.6723, 27.6244, 23.1922** is the 20% darker color. If you saturate the color by 10%, you get **32.6404, 53.5940, 46.6588**, and if you desaturate by 10%, it is **34.7852, 54.5863, 51.8803**.

# Distribution



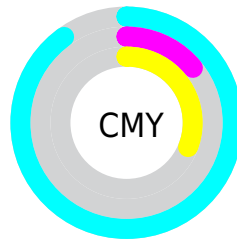
- Red (10%)
- Green (86%)
- Blue (69%)



- Red (10%)
- Yellow (53%)
- Blue (86%)



- Cyan (88%)
- Magenta (0%)
- Yellow (20%)
- Black (14%)




- Cyan (90%)
- Magenta (14%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4954, 53.9778, 49.2108 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 33.4954, 53.9778, 49.2108 by changing the saturation by 10% instead.





 33.4954, 53.9778,  
49.2108


 33.4954, 53.9778,  
49.2108


309.5018,  
402.0254, 400.2179


 22.6673, 38.5839,  
34.4199


 64.4977, 96.0416,  
90.3887


 14.4674, 26.4362,  
22.9364


 85.4026, 123.4804,  
117.6128


 8.5303, 17.1502,  
14.3417


 110.3972,  
155.7029, 149.8184

 4.4907, 10.3417,  
8.2173

 139.8467,  
193.0935, 187.4241

 1.9833, 5.6261,  
4.1445

 174.1166,  
236.0367, 230.8483

 0.6246, 2.6191,  
1.7050

213.5721,

 0.0000, 0.9363,

284.9168, 280.5097

0.3641

258.5788,  
340.1182, 336.8267

■ 0.0000, 0.0000,  
0.0000

■ 33.4954, 53.9778,  
49.2108

■ 33.4954, 53.9778,  
49.2108

■ 32.6404, 53.5940,  
46.6588

■ 34.7852, 54.5863,  
51.8803

■ 32.5004, 53.5320,  
46.1903

■ 36.6008, 55.4625,  
54.6689

■ 39.0102, 56.6426,  
57.5819

■ 42.0698, 58.1557,  
60.6229

■ 45.8294, 60.0275,  
63.7953

■ 50.3337, 62.2811,  
67.1021

■ 55.6240, 64.9375,  
70.5461

■ 61.7380, 68.0164,  
74.1299

■ 68.7114, 71.5361,  
77.8563

# Harmonies

## Analogous

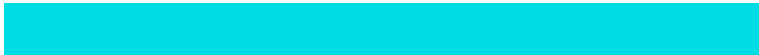
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.9982, 53.9778, 28.3896



33.4954, 53.9778, 49.2108



34.2252, 53.9778, 81.6536

# Triad

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



33.4954, 53.9778, 49.2108



58.7712, 53.9778, 133.8196



65.7391, 53.9778, 23.9998

# Complementary

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



33.4954, 53.9778, 49.2108



30.6903, 16.2426, 7.3150

# 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.



73.2882, 53.9778, 40.6233



33.4954, 53.9778, 49.2108



68.8914, 53.9778, 105.5134

# Square

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



33.4954, 53.9778, 49.2108



47.8468, 53.9778, 138.6489



74.5162, 53.9778, 69.4992

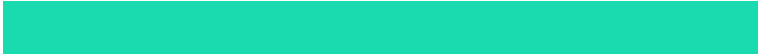


54.9244, 53.9778, 17.5809



# Rectangle

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



33.4954, 53.9778, 49.2108



37.0566, 53.9778, 105.8798



74.5162, 53.9778, 69.4992



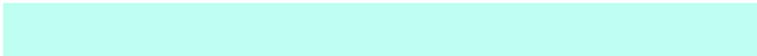
68.8030, 53.9778, 28.2374

# Sweetspot

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



33.4969, 53.9799, 49.2121



72.3828, 88.5848, 95.6309



28.1210, 52.0809, 9.5487



14.9754, 18.7014, 20.1125



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.



33.4969, 53.9799, 49.2121



45.8219, 75.5448, 64.9053



27.1310, 33.1703, 71.9928



13.3112, 14.7761, 16.1018



19.3140, 31.7582, 27.6166



1.2830, 2.0701, 1.9561



# Inverse Universe

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



30.6903, 16.2426, 7.3150



42.0073, 21.5669, 5.9706



32.0887, 20.5104, 3.2459



13.1770, 13.0999, 14.1935



17.6973, 9.0800, 2.7862

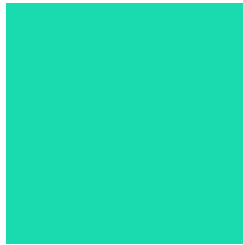


1.1796, 0.6015, 0.3545



# Previews

## White Background



This preview shows how the XYZ color 33.4954, 53.9778, 49.2108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

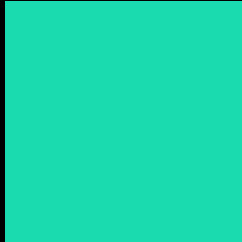
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.4954, 53.9778, 49.2108 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

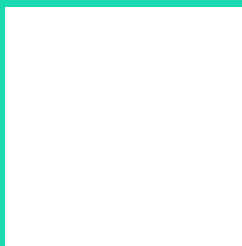
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.4954, 53.9778, 49.2108**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.4954, 53.9778, 49.2108.



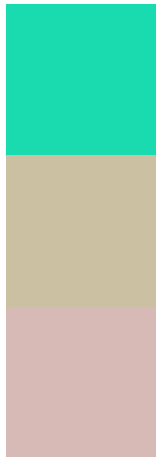
This preview shows how white text looks on a background with the XYZ color 33.4954, 53.9778,



# 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

33.4954, 53.9778, 49.2108

### Protanopia

49.9113, 52.9690, 41.3116

### Deuteranopia

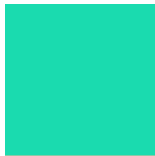
54.0267, 52.9423, 51.6273



## Tritanopia

40.2121, 54.0462, 82.4413

# Trichromacy



## Original Color

33.4954, 53.9778, 49.2108



## Protanomaly

38.6509, 50.4832, 43.7835



## Deuteranomaly

40.1848, 49.7538, 50.1333



## Tritanomaly

37.3304, 53.9886, 68.7749

# Monochromacy



## Original Color

33.4954, 53.9778, 49.2108



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

29.0376, 38.1358, 40.4808

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.4954, 53.9778, 49.2108 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(26, 219, 175)` looks like.

```
.text, #text, p{  
    color:rgb(26, 219, 175)  
}
```

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(26, 219, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 219, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 33.4954, 53.9778, 49.2108 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(26, 219, 175) }
```



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

```
.border{ border-color:rgb(26, 219, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 219, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 219, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 219, 175);  
box-shadow:4px 4px 4px 4px rgb(26, 219,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.4954, 53.9778, 49.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 219, 175) }
```

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

```
.background{ background-color: rgb(26, 219,  
175) }
```

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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