

# Converting Colors

XYZ(33.5834, 52.5121, 52.0084)

Have a look what the booklet for  
XYZ(33.5834, 52.5121, 52.0084)  
contains.

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# Color

**XYZ(33.5554, 52.4085,  
52.0634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29D7B5
RGB	41, 215, 181
RGB Percent	16%, 84%, 71%
CMY	0.8392, 0.1568, 0.2902
CMYK	0.81, 0.00, 0.16, 0.16
HSL	168°, 69%, 50%
HSV	168°, 81%, 84%
XYZ	33.5554, 52.4085, 52.0634
YIQ	159.0980, -92.7900, -47.4620

# Conversions

## Conversions Part 2

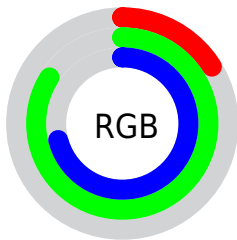
Format	Color
<a href="#">RYB</a>	<a href="#">41, 137, 215</a>
Decimal	<a href="#">2742197</a>
CIELab	<a href="#">77.52, -49.74, 4.85</a>
CIELCh	<a href="#">78, 49.977, 174.425</a>
Yxy	<a href="#">52.4085, 0.2431, 0.3797</a>
Android (android.graphics.Color)	<a href="#">4280932277 (0xFF29D7B5)</a>
YUV	<a href="#">159.0980, 10.7977, -103.5719</a>
Hunter-Lab	<a href="#">72.3937, -43.9520, 8.0360</a>

# Details

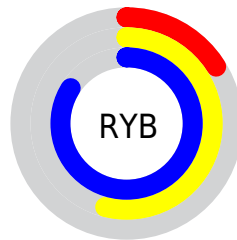
The XYZ color **33.5554, 52.4085, 52.0634** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **30.0891, 16.5424, 8.2660**, and the grayscale version is **32.9842, 34.7019, 37.7904**.

A 20% lighter version of the original color is **58.5173, 81.4860, 92.7649**, and **16.2944, 26.3548, 24.6503** is the 20% darker color. If you saturate the color by 10%, you get **32.4958, 51.9126, 49.7981**, and if you desaturate by 10%, it is **35.0986, 53.1547, 54.4216**.

# Distribution



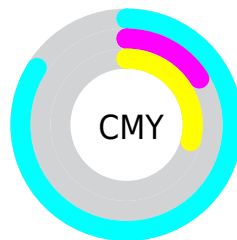
- Red (16%)
- Green (84%)
- Blue (71%)



- Red (16%)
- Yellow (54%)
- Blue (84%)



- Cyan (81%)
- Magenta (0%)
- Yellow (16%)
- Black (16%)




- Cyan (84%)
- Magenta (16%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5554, 52.4085, 52.0634 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 33.5554, 52.4085, 52.0634 by changing the saturation by 10% instead.





 33.5554, 52.4085,  
52.0634


 33.5554, 52.4085,  
52.0634


309.7659,  
396.0116, 411.6452


 22.7135, 37.3308,  
36.6730


 64.5906, 93.7334,  
94.6523


 14.5016, 25.4637,  
24.6606


 85.5146, 120.7494,  
122.6878


 8.5544, 16.4229,  
15.6077


 110.5300,  
152.5136, 155.7756

 4.5065, 9.8239,  
9.0956

 140.0022,  
189.4104, 194.3340

 1.9925, 5.2823,  
4.7059

 174.2966,  
231.8242, 238.7816

 0.6297, 2.4139,  
2.0201

213.7784,

 0.0000, 0.8330,

280.1394, 289.5370

0.5676

258.8131,  
334.7404, 347.0187

■ 0.0000, 0.0000,  
0.0000

■ 33.5554, 52.4085,  
52.0634

■ 33.5554, 52.4085,  
52.0634

■ 32.4958, 51.9126,  
49.7981

■ 35.0986, 53.1547,  
54.4216


■ 31.8429, 51.6193,  
47.8140


■ 37.1879, 54.1797,  
56.8727


■ 39.8808, 55.5144,  
59.4210


■ 43.2265, 57.1840,  
62.0695

■ 47.2689, 59.2112,  
64.8208

 52.0480, 61.6166,  
67.6772

 57.6010, 64.4194,  
70.6412

 63.9622, 67.6373,  
73.7148

 71.1641, 71.2870,  
76.9001

# Harmonies

## Analogous

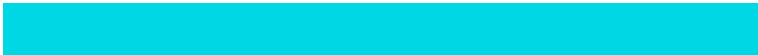
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.2124, 52.4085, 31.4277



33.5554, 52.4085, 52.0634



34.7768, 52.4085, 81.9361

# Triad

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



33.5554, 52.4085, 52.0634



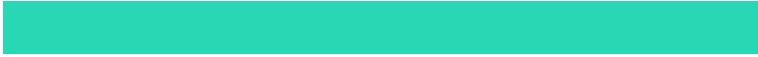
57.8730, 52.4085, 120.2889



61.3868, 52.4085, 23.8733

# Complementary

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



33.5554, 52.4085, 52.0634



30.0891, 16.5424, 8.2660

# 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.



68.6568, 52.4085, 37.8156



33.5554, 52.4085, 52.0634



66.4519, 52.4085, 93.8315

# Square

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



33.5554, 52.4085, 52.0634



48.0346, 52.4085, 127.8360



70.6203, 52.4085, 62.3749



51.6342, 52.4085, 18.8710

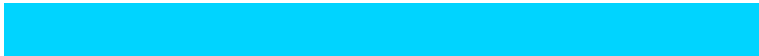


# Rectangle

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



33.5554, 52.4085, 52.0634



37.7187, 52.4085, 102.8440



70.6203, 52.4085, 62.3749



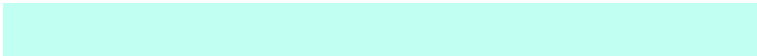
64.2496, 52.4085, 27.3988

# Sweetspot

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



33.5569, 52.4105, 52.0646



74.1406, 89.4364, 98.1812



27.6671, 50.2915, 10.3479



15.3287, 18.8710, 20.6913



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.



33.5569, 52.4105, 52.0646



47.0770, 76.0579, 71.0150



26.2438, 31.5036, 68.9899



12.6833, 14.0643, 15.4127



19.0832, 30.8886, 28.7975



1.1782, 1.8739, 1.8803



# Inverse Universe

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



30.0891, 16.5424, 8.2660



42.0365, 21.7115, 5.7149



32.3585, 22.4732, 4.7311



12.5215, 12.4601, 13.4203



17.0419, 8.7531, 2.2588

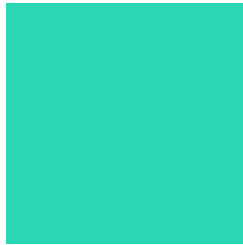


1.0574, 0.5398, 0.2917



# Previews

## White Background



This preview shows how the XYZ color 33.5554, 52.4085, 52.0634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

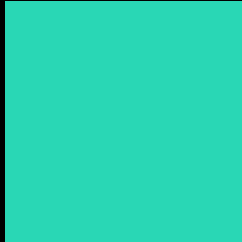
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.5554, 52.4085, 52.0634 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

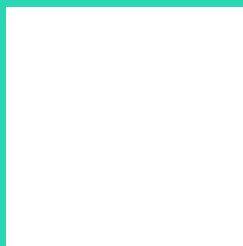
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.5554, 52.4085, 52.0634**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.5554, 52.4085, 52.0634.



This preview shows how white text looks on a background with the XYZ color 33.5554, 52.4085,



# 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

33.5554, 52.4085, 52.0634

### Protanopia

48.4613, 51.1910, 43.8859

### Deuteranopia

52.5121, 51.4671, 54.7434



## Tritanopia

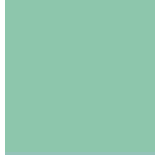
39.1265, 52.4315, 80.0096

# Trichromacy



## Original Color

33.5554, 52.4085, 52.0634



## Protanomaly

38.6250, 49.0294, 46.4576



## Deuteranomaly

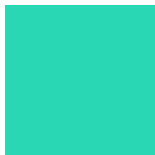
40.4848, 48.8289, 53.1901



## Tritanomaly

36.7906, 52.2023, 69.1098

# Monochromacy



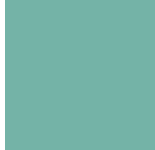
## Original Color

33.5554, 52.4085, 52.0634



## Achromatopsia

32.9542, 34.6704, 37.7561



## Achromatomaly

30.2976, 38.7432, 42.4406

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5554, 52.4085, 52.0634 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(41, 215, 181)` looks like.

```
.text, #text, p{  
    color:rgb(41, 215, 181)  
}
```

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(41, 215, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 215, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5554, 52.4085, 52.0634 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(41, 215, 181) }
```



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

```
.border{ border-color:rgb(41, 215, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 215, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 215, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 215, 181);  
box-shadow:4px 4px 4px 4px rgb(41, 215,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5554, 52.4085, 52.0634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 215, 181) }
```

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

```
.background{ background-color: rgb(41, 215,  
181) }
```

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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