

# Converting Colors

XYZ(33.3397, 53.0519, 48.2082)

Have a look what the booklet for  
XYZ(33.3397, 53.0519, 48.2082)  
contains.

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# Color

**XYZ(33.3519, 53.1564,  
48.0376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BD9AD
RGB	43, 217, 173
RGB Percent	17%, 85%, 68%
CMY	0.8313, 0.1490, 0.3216
CMYK	0.80, 0.00, 0.20, 0.15
HSL	165°, 70%, 51%
HSV	165°, 80%, 85%
XYZ	33.3519, 53.1564, 48.0376
YIQ	159.9580, -89.5800, -50.5720

# Conversions

## Conversions Part 2

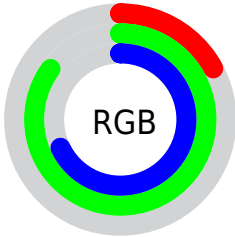
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 143, 217
Decimal	2873773
CIELab	77.97, -52.36, 9.76
CIELCh	78, 53.266, 169.444
Yxy	53.1564, 0.2479, 0.3951
Android (android.graphics.Color)	4281063853 (0xFF2BD9AD)
YUV	159.9580, 6.4297, -102.5722
Hunter-Lab	72.9084, -45.9351, 11.9712

# Details

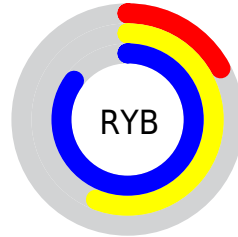
The XYZ color **33.3519, 53.1564, 48.0376** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **31.2012, 17.1689, 10.6884**, and the grayscale version is **33.3969, 35.1362, 38.2633**.

A 20% lighter version of the original color is **57.3713, 81.0434, 86.0179**, and **16.1961, 26.8702, 22.4220** is the 20% darker color. If you saturate the color by 10%, you get **32.1523, 52.5994, 45.2670**, and if you desaturate by 10%, it is **35.0596, 53.9755, 50.9482**.

# Distribution



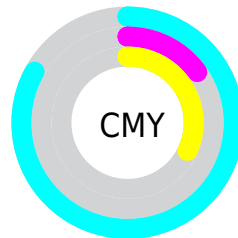
- Red (17%)
- Green (85%)
- Blue (68%)



- Red (17%)
- Yellow (56%)
- Blue (85%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)




- Cyan (83%)
- Magenta (15%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3519, 53.1564, 48.0376 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 33.3519, 53.1564, 48.0376 by changing the saturation by 10% instead.





 33.3519, 53.1564,  
48.0376


 33.3519, 53.1564,  
48.0376


308.8695,  
398.8849, 395.4542


 22.5567, 37.9276,  
33.4965


 64.2756, 94.8345,  
88.6265


 14.3854, 25.9265,  
22.2328


 85.1347, 122.0526,  
115.5114

 8.4727, 16.7687,  
13.8281


 110.0792,  
154.0359, 147.3479

 4.4532, 10.0697,  
7.8638

 139.4744,  
191.1689, 184.5546

 1.9616, 5.4452,  
3.9214

 173.6857,  
233.8358, 227.5500

 0.6122, 2.5108,  
1.5823

213.0784,

 0.0000, 0.8820,

282.4212, 276.7527

0.2782

258.0179,  
337.3095, 332.5813

■ 0.0000, 0.0000,  
0.0000

■ 33.3519, 53.1564,  
48.0376

■ 33.3519, 53.1564,  
48.0376

■ 32.1523, 52.5994,  
45.2670

■ 35.0596, 53.9755,  
50.9482

■ 31.3465, 52.2406,  
42.6723

■ 37.3386, 55.0851,  
53.9996

■ 40.2473, 56.5169,  
57.1969

■ 43.8355, 58.2963,  
60.5439

■ 48.1481, 60.4465,  
64.0438

■ 53.2258, 62.9885,  
67.6998

■ 59.1065, 65.9418,  
71.5149

■ 65.8255, 69.3244,  
75.4919

■ 73.4157, 73.1536,  
79.6337

# Harmonies

## Analogous

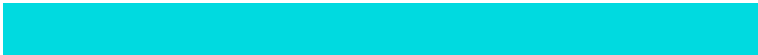
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8416, 53.1564, 28.1299



33.3519, 53.1564, 48.0376



33.9618, 53.1564, 79.0380

# Triad

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



33.3519, 53.1564, 48.0376



57.4539, 53.1564, 130.1237



64.6237, 53.1564, 24.4372

# Complementary

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



33.3519, 53.1564, 48.0376



31.2012, 17.1689, 10.6884

# 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.



71.7473, 53.1564, 40.8785



33.3519, 53.1564, 48.0376



67.2320, 53.1564, 103.4957

# Square

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



33.3519, 53.1564, 48.0376



46.9592, 53.1564, 134.0932



72.7622, 53.1564, 68.9787



54.2638, 53.1564, 17.9419

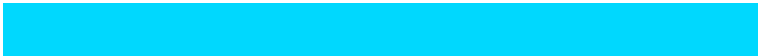


# Rectangle

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



33.3519, 53.1564, 48.0376



36.6406, 53.1564, 102.2510



72.7622, 53.1564, 68.9787



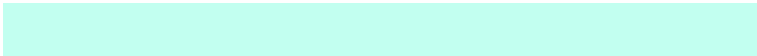
67.5331, 53.1564, 28.6575

# Sweetspot

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



33.3534, 53.1585, 48.0388



73.6142, 89.2259, 95.4096



29.4089, 51.9460, 10.7629



15.2007, 18.8199, 20.0176



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.



33.3534, 53.1585, 48.0388



45.5237, 75.4402, 62.6684



29.1262, 36.7333, 71.2031



13.2969, 14.7704, 16.0262



19.0194, 31.6404, 26.0655



1.2661, 2.0634, 1.8671



# Inverse Universe

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



31.2012, 17.1689, 10.6884



42.5239, 21.9507, 8.1449



32.1924, 21.2066, 4.6828



13.1905, 13.1053, 14.2642



17.7740, 9.1106, 3.1900

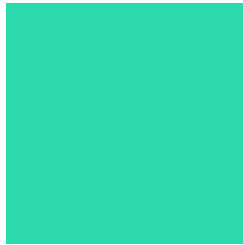


1.1862, 0.6041, 0.3895



# Previews

## White Background



This preview shows how the XYZ color 33.3519, 53.1564, 48.0376 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 33.3519, 53.1564, 48.0376 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

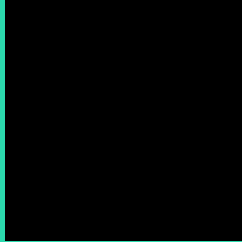
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

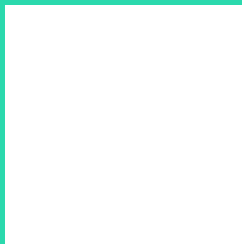
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.3519, 53.1564, 48.0376**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.3519, 53.1564, 48.0376.



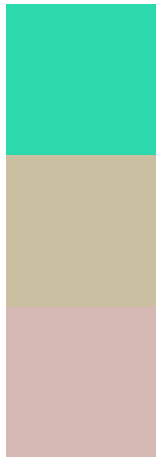
This preview shows how white text looks on a background with the XYZ color 33.3519, 53.1564,



# 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

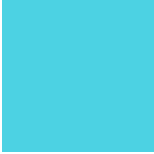
33.3519, 53.1564, 48.0376

### Protanopia

49.3331, 52.3562, 40.7633

### Deuteranopia

53.3187, 52.2894, 50.4627



## **Tritanopia**

39.8922, 53.1757, 80.8344

# Trichromacy



## Original Color

33.3519, 53.1564, 48.0376



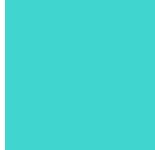
## Protanomaly

38.9474, 49.9545, 43.1867



## Deuteranomaly

40.8510, 49.7822, 49.0508



## Tritanomaly

37.1711, 53.1835, 67.3378

# Monochromacy



## Original Color

33.3519, 53.1564, 48.0376



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

30.6515, 39.5463, 41.6150

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.3519, 53.1564, 48.0376 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(43, 217, 173)` looks like.

```
.text, #text, p{  
    color:rgb(43, 217, 173)  
}
```

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(43, 217, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 217, 173) }
```

## Border

The CSS property to change the border of an element to XYZ 33.3519, 53.1564, 48.0376 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(43, 217, 173) }
```



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

```
.border{ border-color:rgb(43, 217, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 217, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 217, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 217, 173);  
box-shadow:4px 4px 4px 4px rgb(43, 217,  
173) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.3519, 53.1564, 48.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 217, 173) }
```

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

```
.background{ background-color: rgb(43, 217,  
173) }
```

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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