

# Converting Colors

XYZ(33.6913, 53.3753, 53.8597)

Have a look what the booklet for  
XYZ(33.6913, 53.3753, 53.8597)  
contains.

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# Color

**XYZ(33.5772, 53.1445,  
53.8356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09D9B8
RGB	9, 217, 184
RGB Percent	4%, 85%, 72%
CMY	0.9646, 0.1490, 0.2784
CMYK	0.96, 0.00, 0.15, 0.15
HSL	170°, 92%, 44%
HSV	170°, 96%, 85%
XYZ	33.5772, 53.1445, 53.8356
YIQ	151.0460, -113.3750, -54.3590

# Conversions

## Conversions Part 2

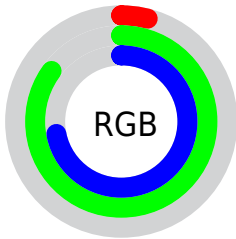
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 122, 217
Decimal	645560
CIELab	77.96, -51.54, 3.85
CIELCh	78, 51.686, 175.727
Yxy	53.1445, 0.2389, 0.3781
Android (android.graphics.Color)	4278835640 (0xFF09D9B8)
YUV	151.0460, 16.2463, -124.5743
Hunter-Lab	72.9003, -45.3600, 7.2455

# Details

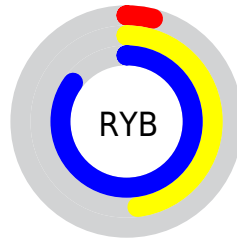
The XYZ color **33.5772, 53.1445, 53.8356** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.1328, 15.1157, 3.5757**, and the grayscale version is **29.4071, 30.9386, 33.6921**.

A 20% lighter version of the original color is **57.7949, 81.0625, 95.0386**, and **16.8416, 27.1284, 25.8214** is the 20% darker color. If you saturate the color by 10%, you get **33.3161, 53.0285, 53.0443**, and if you desaturate by 10%, it is **34.3882, 53.5216, 55.7822**.

# Distribution



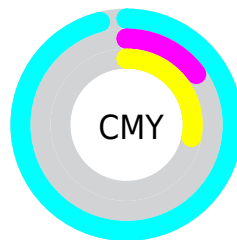
- Red (4%)
- Green (85%)
- Blue (72%)



- Red (4%)
- Yellow (48%)
- Blue (85%)



- Cyan (96%)
- Magenta (0%)
- Yellow (15%)
- Black (15%)



- Cyan (96%)
- Magenta (15%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5772, 53.1445, 53.8356 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 33.5772, 53.1445, 53.8356 by changing the saturation by 10% instead.





 33.5772, 53.1445,  
53.8356


 33.5772, 53.1445,  
53.8356


309.8619,  
398.8393, 418.6397


 22.7303, 37.9181,  
38.0780


 64.6243, 94.8170,  
97.2868


 14.5141, 25.9192,  
25.7409


 85.5553, 122.0319,  
125.8174


 8.5632, 16.7632,  
16.4059


 110.5783,  
154.0117, 159.4428

 4.5122, 10.0658,  
9.6544

 140.0587,  
191.1409, 198.5814

 1.9958, 5.4426,  
5.0678

 174.3619,  
233.8039, 243.6519

 0.6316, 2.5092,  
2.2277

213.8533,

 0.0000, 0.8812,

282.3850, 295.0727

0.6903

258.8982,  
337.2687, 353.2625

■ 0.0000, 0.0000,  
0.0000

■ 33.5772, 53.1445,  
53.8356

■ 33.5772, 53.1445,  
53.8356

■ 33.3161, 53.0285,  
53.0443

■ 34.3882, 53.5216,  
55.7822

■ 35.6440, 54.1258,  
57.7947

■ 37.4229, 54.9986,  
59.8781

■ 39.7872, 56.1721,  
62.0358

■ 42.7901, 57.6738,  
64.2705

■ 46.4789, 59.5281,  
66.5847

■ 50.8965, 61.7570,  
68.9807

■ 56.0821, 64.3807,  
71.4608

■ 62.0722, 67.4181,  
74.0268

# Harmonies

## Analogous

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



36.1574, 53.1445, 31.9437



33.5772, 53.1445, 53.8356



35.0164, 53.1445, 85.3902

# Triad

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



33.5772, 53.1445, 53.8356



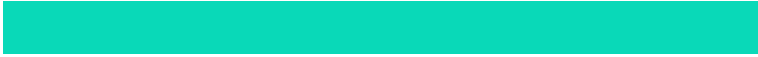
59.3805, 53.1445, 123.4759



62.2043, 53.1445, 23.1032

# Complementary

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



33.5772, 53.1445, 53.8356



29.1328, 15.1157, 3.5757

# 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.



70.0141, 53.1445, 36.9996



33.5772, 53.1445, 53.8356



68.2379, 53.1445, 94.9948

# Square

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



33.5772, 53.1445, 53.8356



49.0849, 53.1445, 132.5331



72.3560, 53.1445, 62.0913



51.9671, 53.1445, 18.3427

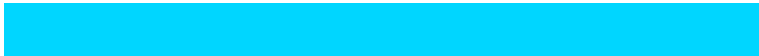


# Rectangle

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



33.5772, 53.1445, 53.8356



38.1790, 53.1445, 107.2716



72.3560, 53.1445, 62.0913



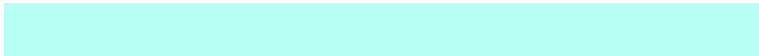
65.2509, 53.1445, 26.5779

# Sweetspot

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



33.5787, 53.1465, 53.8369



71.0456, 87.8369, 98.2140



25.8888, 50.1760, 8.5798



14.6260, 18.5078, 20.7043



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.



33.5787, 53.1465, 53.8369



47.9661, 76.4025, 76.1967



23.1776, 26.1476, 69.4734



13.3515, 14.7922, 16.3138



20.1997, 32.1125, 32.2807



1.3330, 2.0901, 2.2195



# Inverse Universe

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



29.1328, 15.1157, 3.5757



41.6310, 21.4164, 3.9887



31.4155, 20.2714, 2.5163



13.1399, 13.0850, 13.9978



17.5260, 9.0114, 1.8841

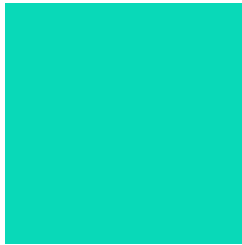


1.1621, 0.5945, 0.2627



# Previews

## White Background



This preview shows how the XYZ color 33.5772, 53.1445, 53.8356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

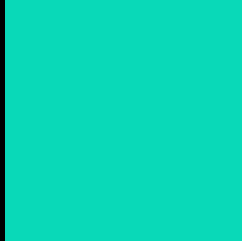
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.5772, 53.1445, 53.8356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

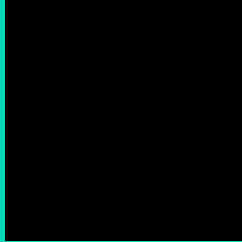
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

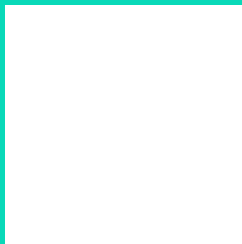
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 33.5772, 53.1445, 53.8356

## Background



This preview shows how black text looks on a background with the XYZ color 33.5772, 53.1445, 53.8356.



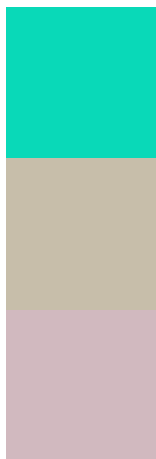
This preview shows how white text looks on a background with the XYZ color 33.5772, 53.1445,



# 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

33.5772, 53.1445, 53.8356

### Protanopia

49.2223, 51.8713, 45.4481

### Deuteranopia

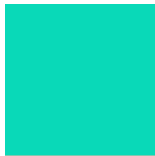
53.0474, 52.0148, 56.5342



## Tritanopia

39.2223, 53.1821, 81.5967

# Trichromacy



## Original Color

33.5772, 53.1445, 53.8356



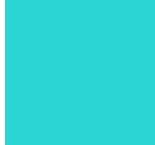
## Protanomaly

37.5981, 49.1495, 48.0626



## Deuteranomaly

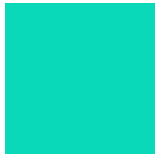
39.1967, 48.7976, 54.9299



## Tritanomaly

36.6328, 52.8342, 70.5546

# Monochromacy



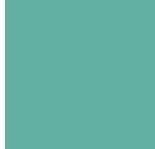
## Original Color

33.5772, 53.1445, 53.8356



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

27.0864, 35.9569, 40.1631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5772, 53.1445, 53.8356 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(9, 217, 184)` looks like.

```
.text, #text, p{  
    color:rgb(9, 217, 184)  
}
```

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(9, 217, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 217, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5772, 53.1445, 53.8356 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(9, 217, 184) }
```



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

```
.border{ border-color:rgb(9, 217, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 217, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 217, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 217, 184);  
box-shadow:4px 4px 4px 4px rgb(9, 217,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5772, 53.1445, 53.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 217, 184) }
```

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

```
.background{ background-color: rgb(9, 217,  
184) }
```

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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