

# Converting Colors

XYZ(39.0043, 64.2821, 55.3182)

Have a look what the booklet for  
XYZ(39.0043, 64.2821, 55.3182)  
contains.

<b>XYZ(38.8314, 63.9873, 55.1039)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(38.8314, 63.9873,  
55.1039)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00EDB7
RGB	0, 237, 183
RGB Percent	0%, 93%, 72%
CMY	0.9999, 0.0706, 0.2823
CMYK	1.00, 0.00, 0.23, 0.07
HSL	166°, 100%, 46%
HSV	166°, 100%, 93%
XYZ	38.8314, 63.9873, 55.1039
YIQ	159.9810, -123.9180, -67.0380

# Conversions

## Conversions Part 2

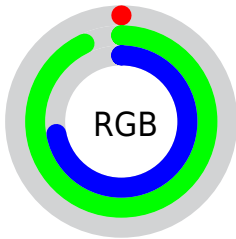
Format	Color
<a href="#">RYB</a>	<a href="#">0, 134, 237</a>
Decimal	<a href="#">60855</a>
CIELab	<a href="#">83.96, -59.85, 12.96</a>
CIELCh	<a href="#">84, 61.237, 167.780</a>
Yxy	<a href="#">63.9873, 0.2459, 0.4052</a>
Android (android.graphics.Color)	<a href="#">4278250935</a> ( <a href="#">0xFF00EDB7</a> )
YUV	<a href="#">159.9810, 11.3484, -140.3033</a>
Hunter-Lab	<a href="#">79.9921, -53.3349, 15.1515</a>

# Details

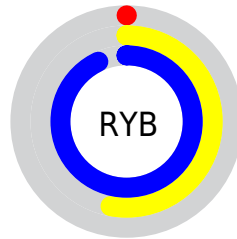
The XYZ color **38.8314, 63.9873, 55.1039** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **35.5933, 18.2725, 5.1451**, and the grayscale version is **33.4002, 35.1396, 38.2671**.

A 20% lighter version of the original color is **58.0221, 81.1967, 94.2758**, and **20.3505, 34.2542, 26.6582** is the 20% darker color. If you saturate the color by 10%, you get **38.8320, 63.9893, 55.1015**, and if you desaturate by 10%, it is **39.7763, 64.4098, 58.1409**.

# Distribution



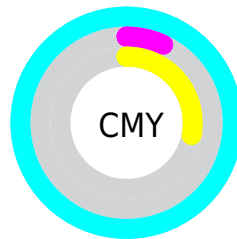
- Red (0%)
- Green (93%)
- Blue (72%)



- Red (0%)
- Yellow (53%)
- Blue (93%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (7%)




- Cyan (100%)
- Magenta (7%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8314, 63.9873, 55.1039 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 38.8314, 63.9873, 55.1039 by changing the saturation by 10% instead.





 38.8314, 63.9873,  
55.1039


 38.8314, 63.9873,  
55.1039


332.3927,  
439.1438, 423.5987


 26.8087, 46.6404,  
39.0858


 72.6764, 110.5926,  
99.1658


 17.5655, 32.7515,  
26.5181


 95.2294, 140.6199,  
128.0467

 10.7363, 21.9361,  
16.9824


 122.0233,  
175.6427, 162.0523

 5.9558, 13.8100,  
10.0601

 153.4234,  
216.0454, 201.6010

 2.8586, 7.9886,  
5.3327

 189.7950,  
262.2125, 247.1115

 1.0794, 4.0877,  
2.3816

231.5035,

 0.0078, 1.7227,

314.5283, 299.0022

0.7764

278.9143,  
373.3773, 357.6918

■ 0.0000, 0.4383,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.8314, 63.9873,  
55.1039

■ 38.8314, 63.9873,  
55.1039

■ 38.8320, 63.9893,  
55.1015

■ 39.7763, 64.4098,  
58.1409

■ 41.1932, 65.0715,  
61.3124

■ 43.2262, 66.0483,  
64.6279

■ 45.9592, 67.3833,  
68.0923

■ 49.4628, 69.1131,  
71.7102

■ 53.7990, 71.2694,  
75.4857

■ 59.0230, 73.8807,  
79.4224

■ 65.1855, 76.9732,  
83.5238

■ 72.3333, 80.5709,  
87.7933

# Harmonies

## Analogous

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



43.5643, 63.9873, 30.7331



38.8314, 63.9873, 55.1039



39.3161, 63.9873, 94.8986

# Triad

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



38.8314, 63.9873, 55.1039



69.0851, 63.9873, 167.0167



79.9609, 63.9873, 27.8750

# Complementary

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



38.8314, 63.9873, 55.1039



35.5933, 18.2725, 5.1451

# 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.



89.0038, 63.9873, 49.3650



38.8314, 63.9873, 55.1039



82.1143, 63.9873, 132.4413

# Square

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



38.8314, 63.9873, 55.1039



55.4925, 63.9873, 170.3783



89.8455, 63.9873, 86.6033



66.4738, 63.9873, 19.3759



# Rectangle

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



38.8314, 63.9873, 55.1039



42.5385, 63.9873, 125.7912



89.8455, 63.9873, 86.6033



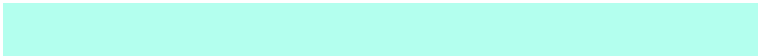
83.7022, 63.9873, 33.3589

# Sweetspot

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



38.8332, 63.9898, 55.1054



69.6041, 87.1919, 93.7170



31.8789, 61.3921, 10.1706



14.3124, 18.3695, 19.6333



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.



38.8332, 63.9898, 55.1054



45.8254, 75.5462, 64.9239



30.3866, 36.3141, 85.5315



15.3623, 17.0597, 18.5905



21.2523, 34.9554, 30.3575



1.7046, 2.7592, 2.5724



# Inverse Universe

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



35.5933, 18.2725, 5.1451



42.0065, 21.5666, 5.9665



36.7165, 21.5851, 2.2321



15.2061, 15.1103, 16.3704



19.4725, 9.9917, 3.0238

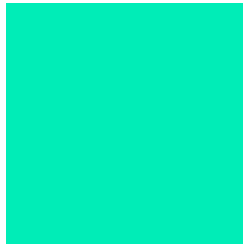


1.5649, 0.7989, 0.4261



# Previews

## White Background



This preview shows how the XYZ color 38.8314, 63.9873, 55.1039 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 38.8314, 63.9873, 55.1039 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

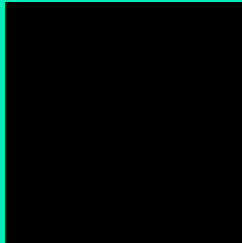
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

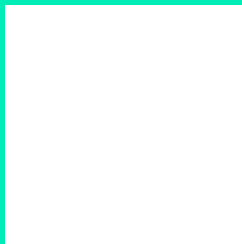
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.8314, 63.9873, 55.1039**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.8314, 63.9873, 55.1039.



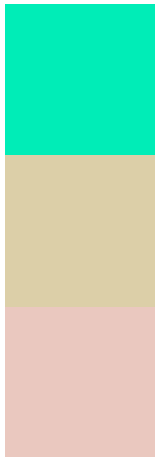
This preview shows how white text looks on a background with the XYZ color 38.8314, 63.9873,



# 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

38.8314, 63.9873, 55.1039

### Protanopia

58.8959, 62.6684, 46.0379

### Deuteranopia

63.9899, 62.5626, 57.9934



## Tritanopia

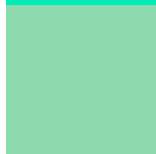
47.3559, 63.6581, 97.7870

# Trichromacy



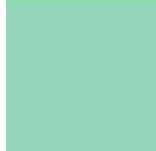
## Original Color

38.8314, 63.9873, 55.1039



## Protanomaly

43.4294, 58.7354, 48.5833



## Deuteranomaly

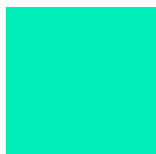
45.2658, 57.6089, 56.3108



## Tritanomaly

43.2027, 63.1380, 80.4308

# Monochromacy



## Original Color

38.8314, 63.9873, 55.1039



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

30.5306, 41.6184, 43.4698

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.8314, 63.9873, 55.1039 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, 237, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 183)  
}
```

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, 237, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 38.8314, 63.9873, 55.1039 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, 237, 183) }
```



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

```
.border{ border-color:rgb(0, 237, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.8314, 63.9873, 55.1039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 183) }
```

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

```
.background{ background-color: rgb(0, 237,  
183) }
```

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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