

# Converting Colors

XYZ(39.4071, 51.5396, 44.6342)

Have a look what the booklet for  
XYZ(39.4071, 51.5396, 44.6342)  
contains.

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# Color

**XYZ(39.3831, 51.5512,  
44.4339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CCCA7
RGB	140, 204, 167
RGB Percent	55%, 80%, 65%
CMY	0.4510, 0.2000, 0.3451
CMYK	0.31, 0.00, 0.18, 0.20
HSL	145°, 39%, 67%
HSV	145°, 31%, 80%
XYZ	39.3831, 51.5512, 44.4339
YIQ	180.6460, -26.2670, -25.0750

# Conversions

## Conversions Part 2

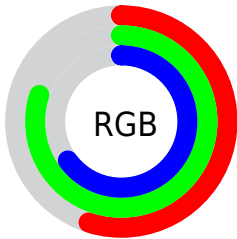
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 185, 204
Decimal	9227431
CIELab	77.01, -28.15, 12.02
CIELCh	77, 30.612, 156.886
Yxy	51.5512, 0.2909, 0.3808
Android (android.graphics.Color)	4287417511 (0xFF8CCA7)
YUV	180.6460, -6.7275, -35.6465
Hunter-Lab	71.7992, -27.7382, 13.5670

# Details

The XYZ color **39.3831, 51.5512, 44.4339** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.2174, 34.7690, 46.0829**, and the grayscale version is **43.7763, 46.0560, 50.1550**.

A 20% lighter version of the original color is **71.4505, 88.3960, 82.4035**, and **17.7724, 24.7589, 20.0619** is the 20% darker color. If you saturate the color by 10%, you get **35.2182, 49.5258, 38.8050**, and if you desaturate by 10%, it is **44.2876, 53.9492, 50.6187**.

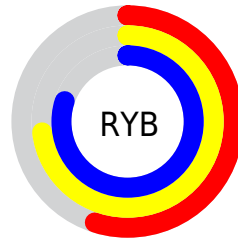
# Distribution



Red (55%)

Green (80%)

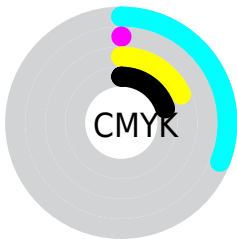
Blue (65%)



Red (55%)

Yellow (73%)

Blue (80%)

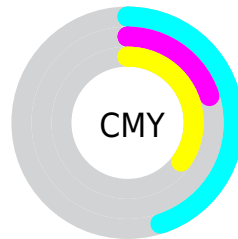


Cyan (31%)

Magenta (0%)

Yellow (18%)

Black (20%)



Cyan (45%)

Magenta (20%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3831, 51.5512, 44.4339 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 39.3831, 51.5512, 44.4339 by changing the saturation by 10% instead.



■ 39.3831, 51.5512,  
44.4339

■ 39.3831, 51.5512,  
44.4339

334.6957,  
392.7015, 380.5690

■ 27.2399, 36.6475,  
30.6721

■ 73.5135, 92.4690,  
83.1797

■ 17.8910, 24.9347,  
20.0929

■ 96.2315, 119.2519,  
109.0007

■ 10.9710, 16.0284,  
12.2778

■ 123.2052,  
150.7633, 139.6786

■ 6.1145, 9.5442,  
6.8084

154.7998,  
187.3876, 175.6318

■ 2.9561, 5.0978,  
3.2659

191.3809,  
229.5091, 217.2789

■ 1.1306, 2.3048,  
1.2320

233.3136,

■ 0.0505, 0.7762,

277.5124, 265.0385

0.0050

280.9634,  
331.7817, 319.3290

■ 0.0000, 0.0000,  
0.0000

■ 39.3831, 51.5512,  
44.4339

■ 39.3831, 51.5512,  
44.4339

■ 35.2182, 49.5258,  
38.8050

■ 44.2876, 53.9492,  
50.6187

■ 31.7507, 47.8474,  
33.7131

■ 49.9625, 56.7311,  
57.3710

■ 28.9405, 46.4969,  
29.1428


■ 56.4420, 59.9158,  
64.7062


■ 26.7416, 45.4511,  
25.0771


■ 63.7570, 63.5188,  
72.6381


■ 25.1015, 44.6831,  
21.4976


■ 71.9367, 67.5550,  
81.1800

 23.9581, 44.1613,  
18.3847

 78.2323, 70.6071,  
90.2149

 23.2760, 43.8606,  
16.0563

 80.0204, 71.3223,  
99.6314

 80.8838, 71.6677,  
104.1779

# Harmonies

## Analogous

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



42.5652, 51.5512, 34.1463



39.3831, 51.5512, 44.4339



38.6784, 51.5512, 60.0731

# Triad

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



39.3831, 51.5512, 44.4339



50.3558, 51.5512, 94.4722



58.5344, 51.5512, 38.9632

# Complementary

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



39.3831, 51.5512, 44.4339



42.2174, 34.7690, 46.0829

# 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.



61.0066, 51.5512, 52.3643



39.3831, 51.5512, 44.4339



56.0480, 51.5512, 85.9653

# Square

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



39.3831, 51.5512, 44.4339



44.7226, 51.5512, 91.1880



60.0625, 51.5512, 69.7183



53.5373, 51.5512, 31.4535



# Rectangle

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



39.3831, 51.5512, 44.4339



39.6536, 51.5512, 71.9573



60.0625, 51.5512, 69.7183



59.7056, 51.5512, 42.8133

# Sweetspot

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



39.3845, 51.5533, 44.4351



85.0417, 95.0789, 97.6632



44.5357, 54.4678, 32.9775



17.8788, 20.1919, 20.5314



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

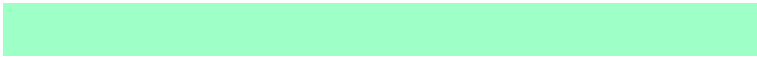


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.3845, 51.5533, 44.4351



60.1865, 82.9218, 66.8531



42.6799, 52.8715, 61.7882



11.2611, 12.6142, 12.9325



14.6939, 27.6229, 10.3390



0.7957, 1.4401, 0.7316



# Inverse Universe

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



42.2174, 34.7690, 46.0829



65.6371, 50.6091, 70.0088



39.4180, 33.6492, 31.3411



11.4797, 11.3206, 13.0605



17.7769, 8.9213, 11.8095

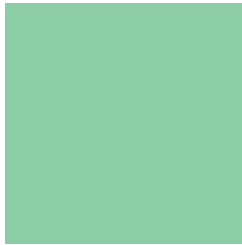


0.9545, 0.4752, 0.8062



# Previews

## White Background



This preview shows how the XYZ color 39.3831, 51.5512, 44.4339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

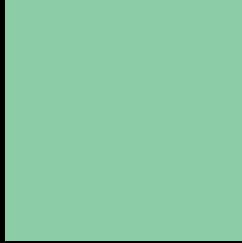
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.3831, 51.5512, 44.4339 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 39.3831, 51.5512, 44.4339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3831, 51.5512, 44.4339.



This preview shows how white text looks on a background with the XYZ color 39.3831, 51.5512,



# 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

39.3831, 51.5512, 44.4339

### Protanopia

48.2750, 51.1778, 40.1348

### Deuteranopia

52.1114, 51.1417, 46.1545



## **Tritanopia**

44.7820, 51.6763, 70.5650

# Trichromacy



## Original Color

39.3831, 51.5512, 44.4339

## Protanomaly

44.1735, 50.6572, 41.6320

## Deuteranomaly

46.3800, 50.7287, 45.3773

## Tritanomaly

42.4721, 51.4051, 59.9082

# Monochromacy



## Original Color

39.3831, 51.5512, 44.4339

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

41.7600, 47.6368, 48.0681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3831, 51.5512, 44.4339 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(140, 204, 167)` looks like.

```
.text, #text, p{  
    color:rgb(140, 204, 167)  
}
```

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(140, 204, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 204, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3831, 51.5512, 44.4339 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(140, 204, 167) }
```



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

```
.border{ border-color:rgb(140, 204, 167) }
```

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

Here you see how a box with a 4 pixel rgb(140, 204, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 204, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 204, 167);  
box-shadow:4px 4px 4px 4px rgb(140, 204,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3831, 51.5512, 44.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 204, 167) }
```

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

```
.background{ background-color: rgb(140,  
204, 167) }
```

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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