

# Converting Colors

XYZ(39.6328, 49.0099, 55.5151)

Have a look what the booklet for  
XYZ(39.6328, 49.0099, 55.5151)  
contains.

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# Color

**XYZ(39.6328, 49.0099,  
55.5151)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AC5BD
RGB	138, 197, 189
RGB Percent	54%, 77%, 74%
CMY	0.4588, 0.2274, 0.2588
CMYK	0.30, 0.00, 0.04, 0.23
HSL	172°, 34%, 66%
HSV	172°, 30%, 77%
XYZ	39.6328, 49.0099, 55.5151
YIQ	178.4470, -32.5960, -14.9960

# Conversions

## Conversions Part 2

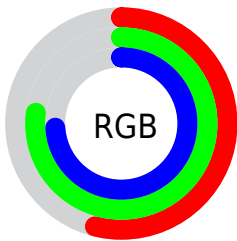
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">138, 170, 197</a>
Decimal	<a href="#">9094589</a>
<a href="#">CIELab</a>	<a href="#">75.46, -20.67, -2.09</a>
<a href="#">CIElCh</a>	<a href="#">75, 20.775, 185.778</a>
<a href="#">Yxy</a>	<a href="#">49.0099, 0.2749, 0.3400</a>
Android ( <a href="#">android.graphics.Color</a> )	<a href="#">4287284669</a> ( <a href="#">0xFF8AC5BD</a> )
<a href="#">YUV</a>	<a href="#">178.4470, 5.2026, -35.4720</a>
<a href="#">Hunter-Lab</a>	<a href="#">70.0071, -21.4589, 1.9884</a>

# Details

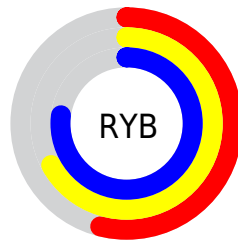
The XYZ color **39.6328, 49.0099, 55.5151** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.3045, 32.1240, 31.4305**, and the grayscale version is **42.5405, 44.7559, 48.7392**.

A 20% lighter version of the original color is **73.9156, 88.8137, 99.6332**, and **18.0127, 23.3538, 26.8509** is the 20% darker color. If you saturate the color by 10%, you get **36.3774, 47.3662, 53.8635**, and if you desaturate by 10%, it is **43.4875, 50.9645, 57.2247**.

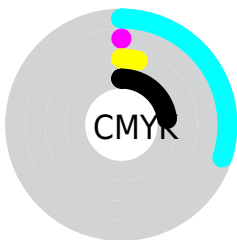
# Distribution



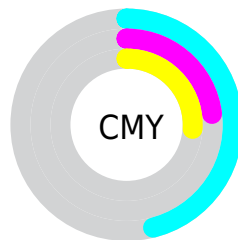
- Red (54%)
- Green (77%)
- Blue (74%)



- Red (54%)
- Yellow (67%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)




- Cyan (46%)
- Magenta (23%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6328, 49.0099, 55.5151 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 39.6328, 49.0099, 55.5151 by changing the saturation by 10% instead.





 39.6328, 49.0099,  
55.5151


 39.6328, 49.0099,  
55.5151


335.7345,  
382.7813, 425.1984


 27.4353, 34.6273,  
39.4129


 73.8919, 88.7062,  
99.7740

 18.0387, 23.3759,  
26.7708

 96.6843, 114.7886,  
128.7677

 11.0776, 14.8714,  
17.1702


 123.7389,  
145.5399, 162.8957

 6.1867, 8.7291,  
10.1927

155.4213,  
181.3443, 202.5765

 3.0007, 4.5649,  
5.4196

192.0966,  
222.5862, 248.2286

 1.1541, 1.9943,  
2.4325

234.1304,

 0.0697, 0.6042,

269.6501, 300.2706

0.8041

281.8879,  
322.9203, 359.1210

■ 0.0000, 0.0000,  
0.0000

■ 39.6328, 49.0099,  
55.5151

■ 39.6328, 49.0099,  
55.5151

■ 36.3774, 47.3662,  
53.8635

■ 43.4875, 50.9645,  
57.2247

■ 33.6851, 46.0108,  
52.2650

■ 47.9670, 53.2393,  
58.9906

■ 31.5224, 44.9279,  
50.7188

■ 53.1002, 55.8505,  
60.8153

■ 29.8501, 44.0971,  
49.2231

■ 58.9132, 58.8115,  
62.7001

■ 28.6239, 43.4958,  
47.7755

■ 65.4304, 62.1349,  
64.6463

■ 27.7914, 43.0968,  
46.3735

■ 72.2306, 65.6036,  
66.6344

■ 27.2523, 42.8484,  
45.0123

■ 72.5560, 65.7338,  
68.3483

■ 27.2497, 42.8473,  
45.0054

■ 72.8870, 65.8662,  
70.0913

■ 73.2236, 66.0008,  
71.8636

# Harmonies

## Analogous

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



40.1839, 49.0099, 45.1695



39.6328, 49.0099, 55.5151



40.8595, 49.0099, 66.6686

# Triad

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



39.6328, 49.0099, 55.5151



51.0221, 49.0099, 72.3687



49.6697, 49.0099, 36.3473

# Complementary

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



39.6328, 49.0099, 55.5151



37.3045, 32.1240, 31.4305

# 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.



52.8163, 49.0099, 41.9579



39.6328, 49.0099, 55.5151



53.6265, 49.0099, 62.4928

# Square

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



39.6328, 49.0099, 55.5151



47.3278, 49.0099, 77.2184



54.3004, 49.0099, 51.2681



45.8449, 49.0099, 35.0096



# Rectangle

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



39.6328, 49.0099, 55.5151



42.5622, 49.0099, 72.7720



54.3004, 49.0099, 51.2681



50.8482, 49.0099, 37.7546

# Sweetspot

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



39.6342, 49.0119, 55.5162



86.6078, 95.7053, 105.9101



36.5609, 47.9587, 31.3757



18.2654, 20.3465, 22.5674



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

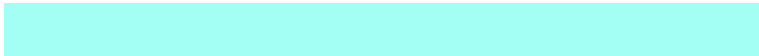


# Same Dimension

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



39.6342, 49.0119, 55.5162



67.0149, 85.7715, 97.4610



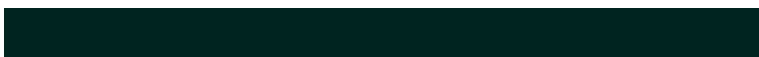
36.1548, 40.6243, 58.7613



10.8824, 12.0419, 13.3311



17.9453, 28.1905, 29.7202



0.8673, 1.3419, 1.4998



# Inverse Universe

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



37.3045, 32.1240, 31.4305



62.1747, 50.6463, 47.3921



39.9531, 38.3829, 29.3486



10.6915, 10.6600, 11.3586



15.2914, 7.8661, 1.4783



0.7437, 0.3803, 0.1733



# Previews

## White Background



This preview shows how the XYZ color 39.6328, 49.0099, 55.5151 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

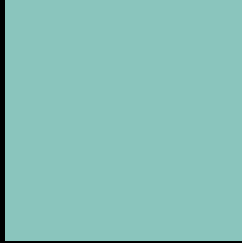
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.6328, 49.0099, 55.5151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

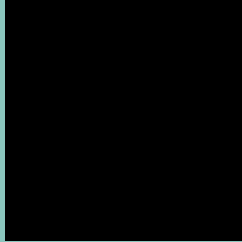
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.6328, 49.0099, 55.5151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6328, 49.0099, 55.5151.



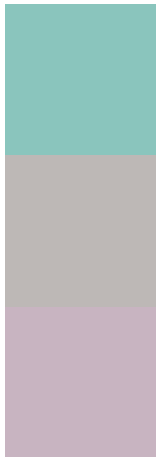
This preview shows how white text looks on a background with the XYZ color 39.6328, 49.0099,



# 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

39.6328, 49.0099, 55.5151

### Protanopia

46.5703, 48.4772, 51.1585

### Deuteranopia

49.7663, 48.7721, 57.2431



## **Tritanopia**

42.1281, 49.0267, 67.5643

# Trichromacy



**Original Color**

39.6328, 49.0099, 55.5151

**Protanomaly**

43.5321, 48.4440, 52.9552

**Deuteranomaly**

45.2048, 48.2707, 56.8038

**Tritanomaly**

41.1603, 48.9572, 63.1574

# Monochromacy



**Original Color**

39.6328, 49.0099, 55.5151

**Achromatopsia**

42.3164, 44.5201, 48.4824

**Achromatomaly**

40.8967, 45.8619, 50.9527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6328, 49.0099, 55.5151 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(138, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(138, 197, 189)  
}
```

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(138, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 197, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6328, 49.0099, 55.5151 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(138, 197, 189) }
```



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

```
.border{ border-color:rgb(138, 197, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 197, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(138, 197,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6328, 49.0099, 55.5151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 197, 189) }
```

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

```
.background{ background-color: rgb(138,  
197, 189) }
```

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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