

# Converting Colors

XYZ(39.5138, 49.9700, 55.7091)

Have a look what the booklet for  
XYZ(39.5138, 49.9700, 55.7091)  
contains.

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# Color

**XYZ(39.5125, 49.9692,  
55.7066)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85C8BD
RGB	133, 200, 189
RGB Percent	52%, 78%, 74%
CMY	0.4784, 0.2157, 0.2588
CMYK	0.33, 0.00, 0.06, 0.22
HSL	170°, 38%, 65%
HSV	170°, 33%, 78%
XYZ	39.5125, 49.9692, 55.7066
YIQ	178.7130, -36.4010, -17.6250

# Conversions

## Conversions Part 2

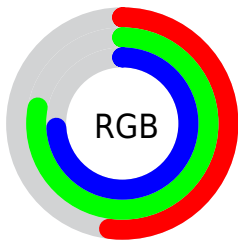
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 169, 200
Decimal	8767677
CIELab	76.05, -23.60, -1.25
CIELCh	76, 23.636, 183.038
Yxy	49.9692, 0.2721, 0.3442
Android (android.graphics.Color)	4286957757 (0xFF85C8BD)
YUV	178.7130, 5.0715, -40.0903
Hunter-Lab	70.6889, -23.9306, 2.7586

# Details

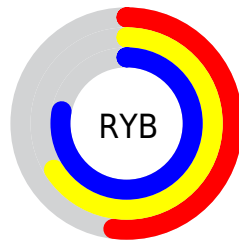
The XYZ color **39.5125, 49.9692, 55.7066** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2428, 31.0695, 30.4218**, and the grayscale version is **42.6839, 44.9068, 48.9035**.

A 20% lighter version of the original color is **72.9805, 88.8039, 99.6806**, and **18.0311, 24.0408, 26.9826** is the 20% darker color. If you saturate the color by 10%, you get **36.2984, 48.3543, 53.7171**, and if you desaturate by 10%, it is **43.3388, 51.9013, 57.7691**.

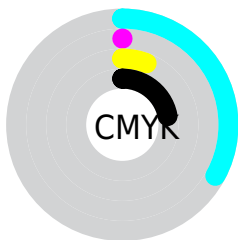
# Distribution



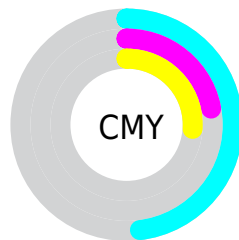
- Red (52%)
- Green (78%)
- Blue (74%)



- Red (52%)
- Yellow (66%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)



- Cyan (48%)
- Magenta (22%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5125, 49.9692, 55.7066 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 39.5125, 49.9692, 55.7066 by changing the saturation by 10% instead.




 39.5125, 49.9692,  
55.7066


 39.5125, 49.9692,  
55.7066


335.2343,  
386.5455, 425.9421


 27.3412, 35.3889,  
39.5653


 73.7097, 90.1292,  
100.0570

 17.9675, 23.9626,  
26.8886


 96.4662, 116.4778,  
129.1031

 11.0262, 15.3059,  
17.2579


 123.4819,  
147.5179, 163.2880

 6.1519, 9.0344,  
10.2546

155.1220,  
183.6340, 203.0302

 2.9792, 4.7636,  
5.4603

191.7519,  
225.2103, 248.7481

 1.1428, 2.1092,  
2.4564

233.7371,

 0.0605, 0.6698,

272.6315, 300.8604

0.8169

281.4427,  
326.2817, 359.7855

■ 0.0000, 0.0000,  
0.0000

■ 39.5125, 49.9692,  
55.7066

■ 39.5125, 49.9692,  
55.7066

■ 36.2984, 48.3543,  
53.7171

■ 43.3388, 51.9013,  
57.7691

■ 33.6579, 47.0328,  
51.7952

■ 47.8045, 54.1609,  
59.9028

■ 31.5547, 45.9875,  
49.9401

■ 52.9404, 56.7650,  
62.1106

■ 29.9465, 45.1964,  
48.1494

■ 58.7741, 59.7279,  
64.3940

■ 28.7846, 44.6345,  
46.4207

■ 65.3315, 63.0629,  
66.7545

■ 28.0104, 44.2715,  
44.7509

■ 72.6374, 66.7828,  
69.1936

■ 27.6451, 44.1062,  
43.6936

■ 73.7777, 67.3233,  
71.3878

■ 74.1963, 67.4907,  
73.5922

■ 74.6234, 67.6615,  
75.8413

# Harmonies

## Analogous

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



40.3235, 49.9692, 44.1140



39.5125, 49.9692, 55.7066



40.7282, 49.9692, 68.7662

# Triad

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



39.5125, 49.9692, 55.7066



52.2737, 49.9692, 77.4361



51.4475, 49.9692, 35.4902

# Complementary

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



39.5125, 49.9692, 55.7066



37.2428, 31.0695, 30.4218

# 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.



54.9709, 49.9692, 42.2019



39.5125, 49.9692, 55.7066



55.4683, 49.9692, 66.1903

# Square

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



39.5125, 49.9692, 55.7066



47.9455, 49.9692, 82.4715



56.4844, 49.9692, 53.1297



47.0458, 49.9692, 33.5646



# Rectangle

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



39.5125, 49.9692, 55.7066



42.5713, 49.9692, 76.2345



56.4844, 49.9692, 53.1297



52.7828, 49.9692, 37.2042

# Sweetspot

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



39.5139, 49.9712, 55.7077



85.6159, 95.2136, 104.9776



36.4203, 48.9484, 29.7199



18.0626, 20.2465, 22.3538



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.



39.5139, 49.9712, 55.7077



64.3663, 84.4801, 93.9959



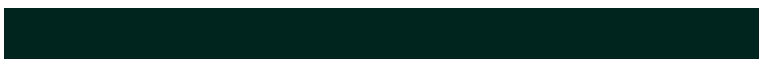
35.9539, 40.8668, 60.6389



10.8690, 12.0365, 13.2604



17.6052, 28.0545, 27.9294



0.8541, 1.3366, 1.4304



# Inverse Universe

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



37.2428, 31.0695, 30.4218



59.8632, 46.9353, 43.8103



39.8317, 37.5283, 27.3357



10.7037, 10.6649, 11.4232



15.3408, 7.8859, 1.7383



0.7492, 0.3825, 0.2027



# Previews

## White Background



This preview shows how the XYZ color 39.5125, 49.9692, 55.7066 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

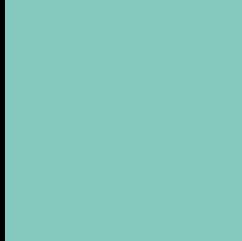
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5125, 49.9692, 55.7066 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

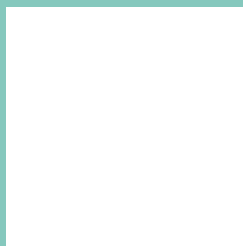
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.5125, 49.9692, 55.7066**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5125, 49.9692, 55.7066.



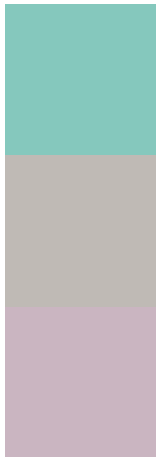
This preview shows how white text looks on a background with the XYZ color 39.5125, 49.9692,



# 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

39.5125, 49.9692, 55.7066

### Protanopia

47.3853, 49.5304, 50.7789

### Deuteranopia

50.5066, 49.4546, 57.3358



## Tritanopia

42.3312, 50.0892, 69.7245

# Trichromacy



## Original Color

39.5125, 49.9692, 55.7066

## Protanomaly

43.8601, 49.2683, 52.5455

## Deuteranomaly

45.6291, 49.1193, 56.9452

## Tritanomaly

41.2465, 49.9820, 64.6003

# Monochromacy



## Original Color

39.5125, 49.9692, 55.7066

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

41.2179, 46.6409, 51.6299

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5125, 49.9692, 55.7066 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(133, 200, 189)` looks like.

```
.text, #text, p{  
    color:rgb(133, 200, 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(133, 200, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 200, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5125, 49.9692, 55.7066 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(133, 200, 189) }
```



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

```
.border{ border-color:rgb(133, 200, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 200, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 200, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 200, 189);  
box-shadow:4px 4px 4px 4px rgb(133, 200,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5125, 49.9692, 55.7066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 200, 189) }
```

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

```
.background{ background-color: rgb(133,  
200, 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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