

Converting Colors

CIELCh(54, 25.712, 199.125)

Have a look what the booklet for
CIELCh(54, 25.712, 199.125)
contains.

CIELCh(54, 25.637, 199.609)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(54, 25.637, 199.609)

Conversions

Conversions Part 1

Format	Color
Hex	3A8D8F
RGB	58, 141, 143
RGB Percent	23%, 55%, 56%
CMY	0.7720, 0.4466, 0.4388
CMYK	0.59, 0.01, 0.00, 0.44
HSL	181°, 42%, 39%
HSV	181°, 59%, 56%
XYZ	16.2616, 21.9746, 29.4171
YIQ	116.4110, -50.1100, -16.9740

Conversions

Conversions Part 2

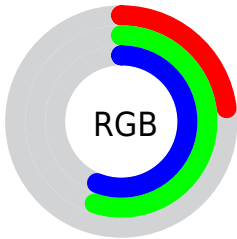
Format	Color
R_{YB}	58, 100, 143
Decimal	3837327
CIE _{Lab}	54.00, -24.15, -8.60
CIE _{LCh}	54, 25.637, 199.609
Yxy	21.9746, 0.2404, 0.3248
Android (android.graphics.Color)	4282027407 (0xFF3A8D8F)
YUV	116.4110, 13.1084, -51.2264
Hunter-Lab	46.8770, -20.1131, -4.3927

Details

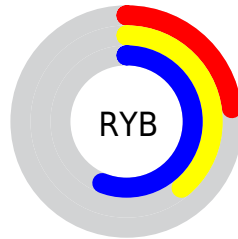
The CIELCh color **54, 25.637, 199.609** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **37, 39.758, 28.210**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 25.754, 199.926**, and **34, 22.994, 201.240** is the 20% darker color. If you saturate the color by 10%, you get **53, 28.058, 199.570**, and if you desaturate by 10%, it is **55, 22.564, 199.739**.

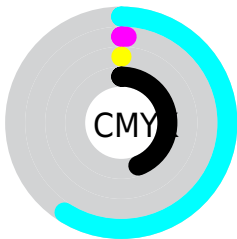
Distribution



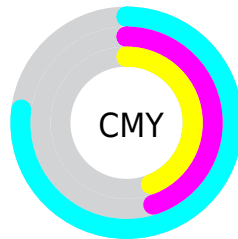
- Red (23%)
- Green (55%)
- Blue (56%)



- Red (23%)
- Yellow (39%)
- Blue (56%)



- Cyan (59%)
- Magenta (1%)
- Yellow (0%)
- Black (44%)



- Cyan (77%)
- Magenta (45%)
- Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 25.637, 199.609 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 CIELCh color 54, 25.637, 199.609 by changing the saturation by 10% instead.


 54, 25.637,
199.609

 54, 25.637,
199.609

 100, 25.637,
199.609

 44, 25.637,
199.609


 74, 25.637,
199.609

 34, 25.637,
199.609

 84, 25.637,
199.609

 24, 25.637,
199.609

 94, 25.637,
199.609

 14, 25.637,
199.609

 4, 25.637, 199.609

 0, 25.637, 199.609

■ 54, 25.637,
199.609

■ 54, 25.637,
199.609

■ 53, 28.058,
199.570

■ 55, 22.564,
199.739

■ 53, 29.809,
199.631

■ 55, 18.888,
199.956

■ 53, 30.906,
199.795

■ 56, 14.678,
200.252

■ 53, 31.526,
200.037

■ 57, 10.016,
200.620

■ 53, 31.562,
200.052

■ 58, 4.983, 201.073

■ 60, 0.340, 20.168

■ 61, 5.880, 21.857

■ 62, 11.574, 22.410

■ 64, 17.369, 22.958

Harmonies

Complementary

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



54, 25.637, 199.609



37, 39.758, 28.210

Rectangle

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



54, 25.637, 199.609



54, 25.637, 249.609



54, 25.637, 19.609



54, 25.637, 69.609

Sweetspot

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



54, 25.637, 199.607



73, 11.565, 200.661



53, 56.455, 139.894



38, 8.034, 200.554



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



54, 25.637, 199.607



68, 34.803, 199.578



41, 28.530, 269.044



30, 2.997, 201.084



50, 30.280, 200.032



2, 2.071, 201.428

Inverse Universe

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



39, 55.628, 328.069



48, 78.185, 328.546



47, 33.099, 69.771



28, 5.520, 325.542



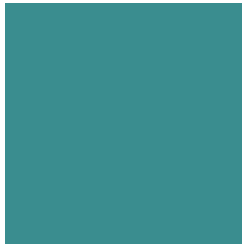
31, 70.822, 329.163



1, 3.708, 325.070

Previews

White Background



This preview shows how the CIELCh color 54, 25.637, 199.609 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 54, 25.637, 199.609 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 × Fail

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

CIELCh 54, 25.637, 199.609

Background



This preview shows how black text looks on a background with the CIELCh color 54, 25.637, 199.609.

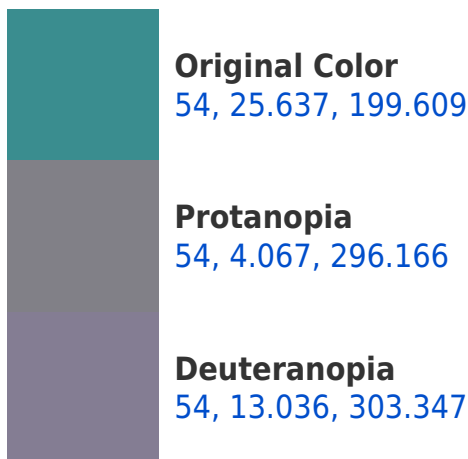


This preview shows how white text looks on a background with the CIELCh color 54, 25.637, 199.609.

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





Tritanopia
54, 24.291, 212.583

Trichromacy



Original Color
54, 25.637, 199.609

Protanomaly
53, 11.236, 213.371

Deuteranomaly
53, 12.458, 243.101

Tritanomaly
54, 24.467, 208.187

Monochromacy



Original Color
54, 25.637, 199.609

Achromatopsia
49, 0.007, 296.813

Achromatomaly
51, 11.211, 198.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 25.637, 199.609 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(58, 141, 143)` looks like.

```
.text, #text, p{  
    color:rgb(58, 141, 143)  
}
```

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(58, 141, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 141, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 25.637, 199.609 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(58, 141, 143) }
```

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

```
.border{ border-color:rgb(58, 141, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 141, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 141, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 141, 143);  
box-shadow:4px 4px 4px 4px rgb(58, 141,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 25.637, 199.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 141, 143) }
```

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

```
.background{ background-color: rgb(58, 141,  
143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor