

Converting Colors

CIELCh(57, 0.199, 201.136)

Have a look what the booklet for
CIELCh(57, 0.199, 201.136) contains.

CIELCh(57, 0.390, 200.437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	19
<i>Color Blindness Simulation</i>	22
<i>CSS Examples</i>	25

Color

CIELCh(57, 0.390, 200.437)

Conversions

Conversions Part 1

Format	Color
Hex	888989
RGB	136, 137, 137
RGB Percent	53%, 54%, 54%
CMY	0.4668, 0.4628, 0.4628
CMYK	0.01, 0.00, 0.00, 0.46
HSL	180°, 0%, 54%
HSV	180°, 1%, 54%
XYZ	23.6058, 24.9227, 27.2247
YIQ	136.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

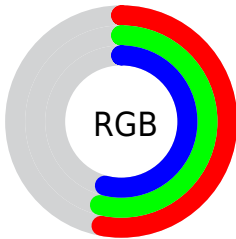
Format	Color
R_{YB}	136, 137, 137
Decimal	8948105
CIE _{Lab}	57.00, -0.37, -0.14
CIE _{LCh}	57, 0.390, 200.437
Yxy	24.9227, 0.3116, 0.3290
Android (android.graphics.Color)	4287138185 (0xFF888989)
YUV	136.7010, 0.1474, -0.6148
Hunter-Lab	49.9226, -2.9612, 2.6127

Details

The CIELCh color $57, 0.390, 200.437$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $57, 0.395, 18.196$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 0.367, 200.823$, and $37, 0.423, 200.063$ is the 20% darker color. If you saturate the color by 10%, you get $56, 5.618, 198.712$, and if you desaturate by 10%, it is $58, 5.054, 19.644$.

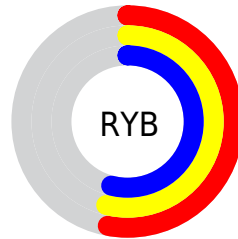
Distribution



Red (53%)

Green (54%)

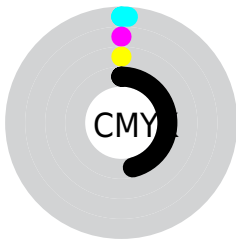
Blue (54%)



Red (53%)

Yellow (54%)

Blue (54%)

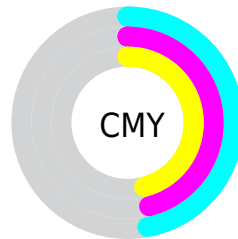


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (46%)



Cyan (47%)

Magenta (46%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 0.390, 200.437 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 57, 0.390, 200.437 by changing the saturation by 10% instead.

■ 57, 0.390, 200.437

■ 57, 0.390, 200.437

■ 100, 0.390,
200.437

■ 47, 0.390, 200.437

■ 77, 0.390, 200.437

■ 37, 0.390, 200.437

■ 87, 0.390, 200.437

■ 27, 0.390, 200.437

■ 97, 0.390, 200.437

■ 17, 0.390, 200.437

■ 7, 0.390, 200.437

■ 0, 0.390, 200.437

■ 57, 0.390, 200.437

■ 57, 0.390, 200.437

■ 56, 5.618, 198.712

■ 58, 5.054, 19.644

■ 55, 10.554,

■ 59, 10.654, 20.269

198.182

61, 16.352, 20.878

54, 15.119,
197.717

62, 22.105, 21.490

53, 19.233,
197.307

64, 27.878, 22.103

53, 22.819,
196.953

65, 33.642, 22.715

52, 25.812,
196.657

67, 39.378, 23.320

52, 28.171,
196.420

69, 45.071, 23.918

52, 29.884,
196.242

52, 30.974,
196.117

Harmonies

Complementary

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



57, 0.390, 200.437



57, 0.395, 18.196

Rectangle

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



57, 0.390, 200.437



57, 0.390, 250.437



57, 0.390, 20.437



57, 0.390, 70.437

Sweetspot

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



57, 0.391, 200.235



73, 0.009, 296.813



57, 0.687, 144.241



38, 0.005, 296.813



87, 0.010, 296.813

Same Dimension

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



57, 0.391, 200.235



73, 0.663, 199.916



57, 0.345, 254.508



29, 0.303, 200.011



50, 30.890, 196.033



1, 1.414, 199.224

Inverse Universe

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



57, 0.395, 18.196



72, 0.670, 18.513



57, 0.335, 72.650



29, 0.306, 18.420



27, 63.054, 38.566



0, 1.414, 19.207

Previews

White Background



This preview shows how the CIELCh color 57, 0.390, 200.437 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 CIE LCh color 57, 0.390, 200.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

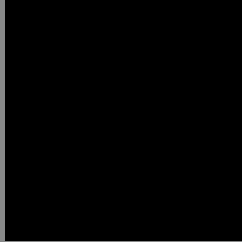
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

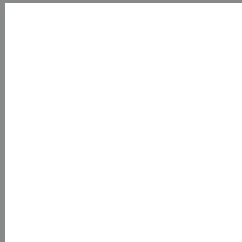
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 57, 0.390, 200.437

Background



This preview shows how black text looks on a background with the CIELCh color 57, 0.390, 200.437.



This preview shows how white text looks on a background with the CIELCh color 57, 0.390, 200.437.

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


57, 0.390, 200.437

Protanopia

57, 1.182, 19.175

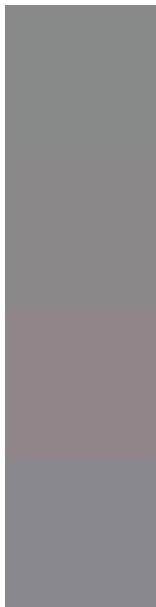
Deuteranopia

57, 7.572, 353.398



Tritanopia
57, 5.729, 294.671

Trichromacy



Original Color
57, 0.390, 200.437

Protanomaly
57, 0.787, 18.958

Deuteranomaly
57, 4.574, 349.943

Tritanomaly
57, 4.023, 296.146

Monochromacy



Original Color
57, 0.390, 200.437

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 0.007, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 0.390, 200.437 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(136, 137, 137)` looks like.

```
.text, #text, p{  
    color:rgb(136, 137, 137)  
}
```

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(136, 137, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 137, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 0.390, 200.437 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(136, 137, 137) }
```

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

```
.border{ border-color:rgb(136, 137, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 137, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 137, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 137, 137);  
box-shadow:4px 4px 4px 4px rgb(136, 137,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 0.390, 200.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 137, 137) }
```

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

```
.background{ background-color: rgb(136,  
137, 137) }
```

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