

Converting Colors

CIE LCh(54, 2.222, 2.352)

Have a look what the booklet for
CIELCh(54, 2.222, 2.352) contains.

CIELCh(54, 2.081, 3.396)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(54, 2.081, 3.396)

Conversions

Conversions Part 1

Format	Color
Hex	858081
RGB	133, 128, 129
RGB Percent	52%, 50%, 51%
CMY	0.4788, 0.4984, 0.4945
CMYK	0.00, 0.04, 0.03, 0.48
HSL	348°, 2%, 51%
HSV	348°, 4%, 52%
XYZ	21.3205, 21.9746, 23.8533
YIQ	129.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

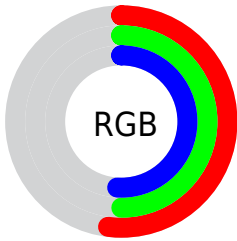
Format	Color
RYB	133, 128, 129
Decimal	8749185
CIELab	54.00, 2.08, 0.12
CIELCh	54, 2.081, 3.396
Yxy	21.9746, 0.3175, 0.3273
Android (android.graphics.Color)	4286939265 (0xFF858081)
YUV	129.6090, -0.3002, 2.9739
Hunter-Lab	46.8770, -0.8497, 2.6443

Details

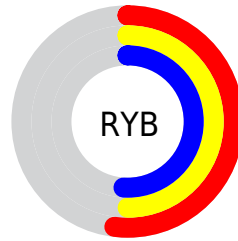
The CIELCh color $54, 2.081, 3.396$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $55, 2.046, 183.144$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $74, 1.952, 3.242$, and $34, 2.267, 3.625$ is the 20% darker color. If you saturate the color by 10%, you get $50, 7.803, 4.512$, and if you desaturate by 10%, it is $58, 3.352, 182.894$.

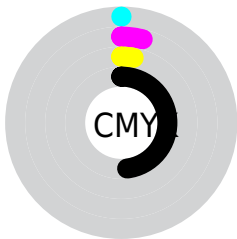
Distribution



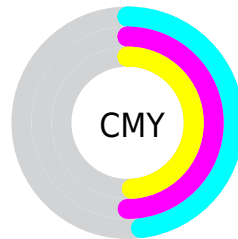
- Red (52%)
- Green (50%)
- Blue (51%)



- Red (52%)
- Yellow (50%)
- Blue (51%)



- Cyan (0%)
- Magenta (4%)
- Yellow (3%)
- Black (48%)



- Cyan (48%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 2.081, 3.396 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, 2.081, 3.396 by changing the saturation by 10% instead.

■ 54, 2.081, 3.396

■ 54, 2.081, 3.396

100, 2.081, 3.396

■ 44, 2.081, 3.396

■ 74, 2.081, 3.396

■ 34, 2.081, 3.396

■ 84, 2.081, 3.396

■ 24, 2.081, 3.396

■ 94, 2.081, 3.396

■ 14, 2.081, 3.396

■ 4, 2.081, 3.396

■ 0, 2.081, 3.396

■ 54, 2.081, 3.396

■ 54, 2.081, 3.396

■ 50, 7.803, 4.512

■ 58, 3.352, 182.894

■ 46, 13.801, 5.654

■ 62, 8.496, 182.103

43, 20.025, 7.004

66, 13.366,
181.447

39, 26.383, 8.639

70, 17.984,
180.867

36, 32.724, 10.660

33, 38.841, 13.189

74, 22.372,
180.347

31, 44.502, 16.367

78, 26.553,
179.875

29, 49.515, 20.307

27, 53.825, 24.997

82, 30.547,
179.444

86, 34.375,
179.049

90, 38.054,
178.684

Harmonies

Complementary

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



54, 2.081, 3.396



55, 2.046, 183.144

Rectangle

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



54, 2.081, 3.396



54, 2.081, 53.396



54, 2.081, 183.396



54, 2.081, 233.396

Sweetspot

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



54, 2.080, 3.424



70, 0.685, 2.698



54, 3.304, 318.924



37, 0.388, 2.642



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



54, 2.080, 3.424



68, 3.447, 3.594



54, 1.631, 51.090



27, 1.876, 3.635



26, 55.573, 27.700



0, 0.739, 3.275

Inverse Universe

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



54, 2.080, 3.424



68, 3.447, 3.594



55, 1.606, 232.041



27, 1.876, 3.635



26, 55.573, 27.700



0, 0.739, 3.275

Previews

White Background



This preview shows how the CIELCh color 54, 2.081, 3.396 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 54, 2.081, 3.396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

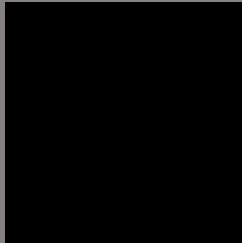
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

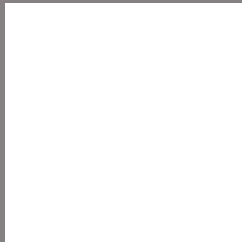
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 54, 2.081, 3.396

Background



This preview shows how black text looks on a background with the CIELCh color 54, 2.081, 3.396.



This preview shows how white text looks on a background with the CIELCh color 54, 2.081, 3.396.

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

54, 2.081, 3.396

Protanopia

54, 1.333, 353.636

Deuteranopia

54, 6.844, 0.523



Tritanopia
54, 6.414, 316.006

Trichromacy



Original Color

54, 2.081, 3.396

Protanomaly

54, 1.700, 359.571

Deuteranomaly

54, 5.122, 0.241

Tritanomaly

54, 4.915, 324.678

Monochromacy



Original Color

54, 2.081, 3.396

Achromatopsia

54, 0.007, 296.813

Achromatomaly

54, 0.989, 343.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 2.081, 3.396 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, 128, 129)` looks like.

```
.text, #text, p{  
    color:rgb(133, 128, 129)  
}
```

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, 128, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 128, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 2.081, 3.396 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, 128, 129) }
```

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

```
.border{ border-color:rgb(133, 128, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 128, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 128, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 128, 129);  
box-shadow:4px 4px 4px 4px rgb(133, 128,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 2.081, 3.396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 128, 129) }
```

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

```
.background{ background-color: rgb(133,  
128, 129) }
```

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