

Converting Colors

CIELCh(50, 74.566, 184.870)

Have a look what the booklet for
CIELCh(50, 74.566, 184.870)
contains.

CIELCh(54, 37.217, 179.646)	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, 37.217, 179.646)

Conversions

Conversions Part 1

Format	Color
Hex	009280
RGB	0, 146, 128
RGB Percent	0%, 57%, 50%
CMY	1.0000, 0.4290, 0.4995
CMYK	1.00, 0.00, 0.12, 0.43
HSL	173°, 100%, 29%
HSV	173°, 100%, 57%
XYZ	14.0716, 21.9746, 23.7901
YIQ	100.2940, -81.2380, -36.5500

Conversions

Conversions Part 2

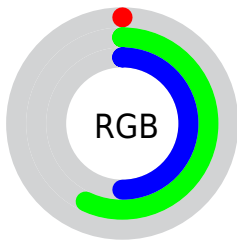
Format	Color
RYB	0, 78, 146
Decimal	37504
CIELab	54.00, -37.22, 0.23
CIELCh	54, 37.217, 179.646
Yxy	21.9746, 0.2352, 0.3672
Android (android.graphics.Color)	4278227584 (0xFF009280)
YUV	100.2940, 13.6591, -87.9578
Hunter-Lab	46.8770, -28.4524, 2.7243

Details

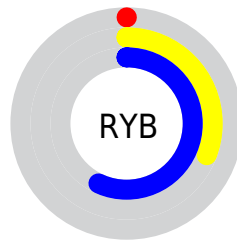
The CIELCh color **54, 37.217, 179.646** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **30, 63.696, 33.588**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 37.340, 179.676**, and **35, 28.120, 176.294** is the 20% darker color. If you saturate the color by 10%, you get **54, 37.152, 179.622**, and if you desaturate by 10%, it is **54, 35.899, 180.882**.

Distribution



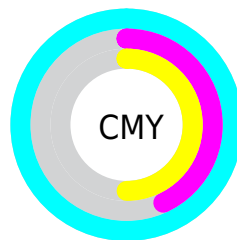
- Red (0%)
- Green (57%)
- Blue (50%)



- Red (0%)
- Yellow (31%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 37.217, 179.646 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, 37.217, 179.646 by changing the saturation by 10% instead.


 54, 37.217,
179.646


 54, 37.217,
179.646

 100, 37.217,
179.646

 44, 37.217,
179.646


 74, 37.217,
179.646


 34, 37.217,
179.646


 84, 37.217,
179.646

 24, 37.217,
179.646

 94, 37.217,
179.646

 14, 37.217,
179.646

 4, 37.217, 179.646

 0, 37.217, 179.646

■ 54, 37.217,
179.646

■ 54, 37.217,
179.646

■ 54, 37.152,
179.622

■ 54, 35.899,
180.882

■ 54, 34.191,
182.075

■ 55, 31.830,
183.166

■ 55, 28.805,
184.173

■ 56, 25.147,
185.115

■ 56, 20.919,
186.007

■ 57, 16.200,
186.865

■ 58, 11.081,

187.700

■ 59, 5.652, 188.537

Harmonies

Complementary

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



54, 37.217, 179.646



30, 63.696, 33.588

Rectangle

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



54, 37.217, 179.646



54, 37.217, 229.646



54, 37.217, 359.646



54, 37.217, 49.646

Sweetspot

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



54, 37.152, 179.622



73, 19.980, 186.813



52, 77.996, 135.177



37, 13.434, 186.494



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, 37.152, 179.622



69, 45.111, 179.320



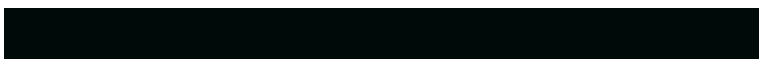
37, 35.851, 266.416



31, 3.238, 188.606



51, 35.647, 179.696



2, 2.880, 189.261

Inverse Universe

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



30, 63.696, 33.588



39, 78.000, 34.638



35, 59.648, 51.754



29, 3.382, 9.947



28, 60.988, 33.319



1, 2.880, 9.245

Previews

White Background



This preview shows how the CIELCh color 54, 37.217, 179.646 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, 37.217, 179.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

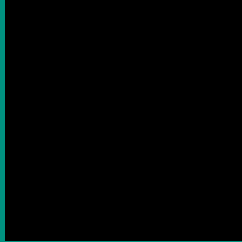
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 37.217, 179.646

Background



This preview shows how black text looks on a background with the CIELCh color 54, 37.217, 179.646.

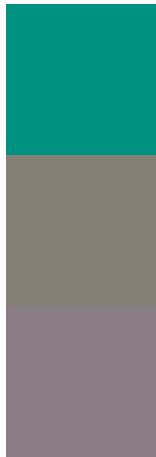


This preview shows how white text looks on a background with the CIELCh color 54, 37.217, 179.646.

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, 37.217, 179.646

Protanopia
54, 6.093, 89.745

Deuteranopia
54, 6.901, 344.422



Tritanopia
54, 28.430, 209.956

Trichromacy



Original Color
54, 37.217, 179.646

Protanomaly
52, 19.761, 174.891

Deuteranomaly
52, 15.946, 193.592

Tritanomaly
54, 30.936, 197.622

Monochromacy



Original Color
54, 37.217, 179.646

Achromatopsia
42, 0.006, 296.813

Achromatomaly
46, 19.585, 184.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 37.217, 179.646 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(0, 146, 128)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 128)  
}
```

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(0, 146, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 37.217, 179.646 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(0, 146, 128) }
```

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

```
.border{ border-color:rgb(0, 146, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 146, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 128);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 37.217, 179.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 128) }
```

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

```
.background{ background-color: rgb(0, 146,  
128) }
```

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