

Converting Colors

CIELCh(54, 48.719, 159.724)

Have a look what the booklet for
CIELCh(54, 48.719, 159.724)
contains.

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Color

CIELCh(54, 49.003, 159.406)

Conversions

Conversions Part 1

Format	Color
Hex	009462
RGB	0, 148, 98
RGB Percent	0%, 58%, 38%
CMY	1.0000, 0.4206, 0.6166
CMYK	1.00, 0.00, 0.34, 0.42
HSL	160°, 100%, 29%
HSV	160°, 100%, 58%
XYZ	12.7350, 21.9746, 15.0696
YIQ	98.0480, -72.1580, -46.9260

Conversions

Conversions Part 2

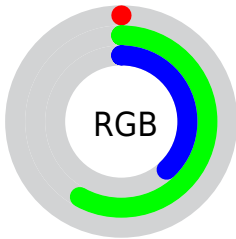
Format	Color
RYB	0, 89, 148
Decimal	37986
CIELab	54.00, -45.87, 17.24
CIELCh	54, 49.003, 159.406
Yxy	21.9746, 0.2558, 0.4414
Android (android.graphics.Color)	4278228066 (0xFF009462)
YUV	98.0480, -0.0237, -85.9881
Hunter-Lab	46.8770, -33.5421, 13.7539

Details

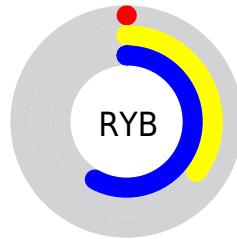
The CIELCh color **54, 49.003, 159.406** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **31, 57.197, 16.498**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **74, 48.932, 159.451**, and **35, 40.835, 152.367** is the 20% darker color. If you saturate the color by 10%, you get **54, 48.966, 159.379**, and if you desaturate by 10%, it is **54, 46.251, 161.418**.

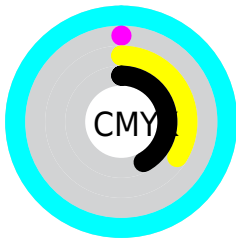
Distribution



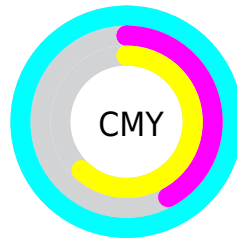
- Red (0%)
- Green (58%)
- Blue (38%)



- Red (0%)
- Yellow (35%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 49.003, 159.406 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, 49.003, 159.406 by changing the saturation by 10% instead.

 54, 49.003,
159.406

 54, 49.003,
159.406

 100, 49.003,
159.406

 44, 49.003,
159.406

 74, 49.003,
159.406

 34, 49.003,
159.406

 84, 49.003,
159.406

 24, 49.003,
159.406

 94, 49.003,
159.406

 14, 49.003,
159.406

 4, 49.003, 159.406

 0, 49.003, 159.406

■ 54, 49.003,
159.406

■ 54, 49.003,
159.406

■ 54, 48.966,
159.379

■ 54, 46.251,
161.418

■ 55, 43.094,
163.364

■ 55, 39.315,
165.114

■ 55, 34.922,
166.680

■ 56, 29.968,
168.082

■ 57, 24.536,
169.344

■ 58, 18.725,
170.489

■ 59, 12.636,

171.541

■ 60, 6.365, 172.529

Harmonies

Complementary

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



54, 49.003, 159.406



31, 57.197, 16.498

Rectangle

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



54, 49.003, 159.406



54, 49.003, 209.406



54, 49.003, 339.406



54, 49.003, 29.406

Sweetspot

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



54, 48.966, 159.379



73, 23.089, 170.423



54, 75.674, 131.898



38, 15.780, 169.995



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



54, 48.966, 159.379



69, 59.731, 158.891



48, 29.032, 224.099



31, 3.599, 172.607



51, 46.396, 159.533



2, 3.168, 173.373

Inverse Universe

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



31, 57.197, 16.498



40, 69.524, 17.731



31, 66.623, 42.175



29, 3.682, 354.142



28, 54.261, 16.110



1, 3.169, 353.360

Previews

White Background



This preview shows how the CIELCh color 54, 49.003, 159.406 looks on a white background.

Color Contrast Check

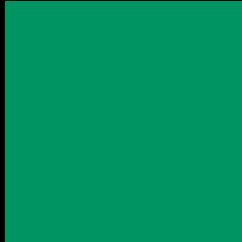
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.003, 159.406 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, 49.003, 159.406

Background



This preview shows how black text looks on a background with the CIELCh color 54, 49.003, 159.406.



This preview shows how white text looks on a background with the CIELCh color 54, 49.003, 159.406.

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, 49.003, 159.406

Protanopia

54, 22.801, 95.008

Deuteranopia

54, 16.267, 64.705



Tritanopia
54, 26.493, 211.094

Trichromacy



Original Color
54, 49.003, 159.406

Protanomaly
52, 31.206, 144.334

Deuteranomaly
52, 23.397, 147.281

Tritanomaly
54, 32.531, 184.965

Monochromacy



Original Color
54, 49.003, 159.406

Achromatopsia
42, 0.006, 296.813

Achromatomaly
45, 23.049, 168.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 49.003, 159.406 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, 148, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 98)  
}
```

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, 148, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 49.003, 159.406 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, 148, 98) }
```

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

```
.border{ border-color:rgb(0, 148, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 98)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 54, 49.003, 159.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 98) }
```

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

```
.background{ background-color: rgb(0, 148,  
98) }
```

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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