

Converting Colors

CIELCh(49, 78.151, 169.320)

Have a look what the booklet for
CIELCh(49, 78.151, 169.320)
contains.

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Color

CIELCh(52, 49.640, 157.195)

Conversions

Conversions Part 1

Format	Color
Hex	008E59
RGB	0, 142, 89
RGB Percent	0%, 56%, 35%
CMY	1.0000, 0.4420, 0.6496
CMYK	1.00, 0.00, 0.37, 0.44
HSL	158°, 100%, 28%
HSV	158°, 100%, 56%
XYZ	11.5062, 20.1443, 12.8104
YIQ	93.5000, -67.6190, -46.5870

Conversions

Conversions Part 2

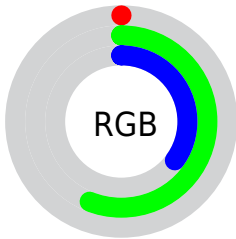
Format	Color
RYB	0, 87, 142
Decimal	36441
CIELab	52.00, -45.76, 19.24
CIELCh	52, 49.640, 157.195
Yxy	20.1443, 0.2588, 0.4531
Android (android.graphics.Color)	4278226521 (0xFF008E59)
YUV	93.5000, -2.2185, -81.9995
Hunter-Lab	44.8824, -32.7835, 14.4951

Details

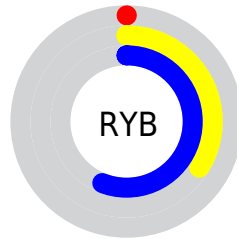
The CIELCh color **52, 49.640, 157.195** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **29, 55.095, 13.123**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 49.809, 156.810**, and **33, 41.041, 149.853** is the 20% darker color. If you saturate the color by 10%, you get **52, 49.532, 157.112**, and if you desaturate by 10%, it is **52, 46.649, 159.164**.

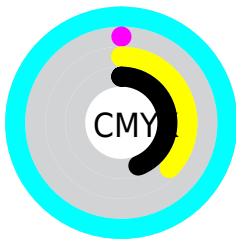
Distribution



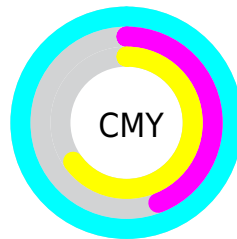
- Red (0%)
- Green (56%)
- Blue (35%)



- Red (0%)
- Yellow (34%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 49.640, 157.195 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 52, 49.640, 157.195 by changing the saturation by 10% instead.


 52, 49.640,
157.195


 52, 49.640,
157.195

 100, 49.640,
157.195


 42, 49.640,
157.195


 72, 49.640,
157.195

 32, 49.640,
157.195

 82, 49.640,
157.195

 22, 49.640,
157.195

 92, 49.640,
157.195

 12, 49.640,
157.195

 2, 49.640, 157.195

 0, 49.640, 157.195

■ 52, 49.640,
157.195

■ 52, 49.640,
157.195

■ 52, 49.532,
157.112

■ 52, 46.649,
159.164

■ 53, 43.344,
161.134

■ 53, 39.439,
162.906

■ 53, 34.945,
164.489

■ 54, 29.919,
165.903

■ 55, 24.444,
167.172

■ 56, 18.619,
168.318

■ 57, 12.542,

169.364

■ 58, 6.307, 170.342

Harmonies

Complementary

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



52, 49.640, 157.195



29, 55.095, 13.123

Rectangle

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



52, 49.640, 157.195



52, 49.640, 207.195



52, 49.640, 337.195



52, 49.640, 27.195

Sweetspot

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



52, 49.532, 157.112



71, 23.163, 168.247



52, 72.928, 131.067



37, 15.843, 167.824



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 49.532, 157.112



67, 60.943, 156.580



48, 28.629, 217.099



30, 3.572, 170.422



50, 47.616, 157.230



2, 2.425, 171.175

Inverse Universe

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



29, 55.095, 13.123



39, 67.370, 14.403



30, 65.229, 41.234



28, 3.645, 351.928



28, 53.039, 12.843



1, 2.425, 351.163

Previews

White Background



This preview shows how the CIELCh color 52, 49.640, 157.195 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 52, 49.640, 157.195 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 52, 49.640, 157.195

Background



This preview shows how black text looks on a background with the CIELCh color 52, 49.640, 157.195.



This preview shows how white text looks on a background with the CIELCh color 52, 49.640, 157.195.

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
52, 49.526, 157.036

Protanopia
52, 24.058, 95.241

Deuteranopia
52, 18.073, 67.044



Tritanopia
52, 25.250, 211.963

Trichromacy



Original Color
52, 49.526, 157.036

Protanomaly
50, 31.885, 142.048

Deuteranomaly
50, 24.485, 143.404

Tritanomaly
52, 32.123, 182.565

Monochromacy



Original Color
52, 49.526, 157.036

Achromatopsia
40, 0.006, 296.813

Achromatomaly
43, 23.315, 165.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 49.640, 157.195 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, 142, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 89)  
}
```

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, 142, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 49.640, 157.195 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, 142, 89) }
```

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

```
.border{ border-color:rgb(0, 142, 89) }
```

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

Here you see how a box with a 4 pixel rgb(0, 142, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 52, 49.640, 157.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 89) }
```

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

```
.background{ background-color: rgb(0, 142,  
89) }
```

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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