

Converting Colors

CIELCh(55, 59.729, 150.029)

Have a look what the booklet for
CIELCh(55, 59.729, 150.029)
contains.

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Color

CIELCh(55, 59.650, 149.857)

Conversions

Conversions Part 1

Format	Color
Hex	00984D
RGB	0, 152, 77
RGB Percent	0%, 60%, 30%
CMY	1.0000, 0.4046, 0.6986
CMYK	1.00, 0.00, 0.49, 0.40
HSL	150°, 100%, 30%
HSV	150°, 100%, 60%
XYZ	12.5268, 22.9298, 10.7580
YIQ	98.0020, -66.5170, -55.5490

Conversions

Conversions Part 2

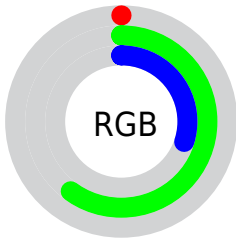
Format	Color
RYB	0, 101, 152
Decimal	38989
CIELab	55.00, -51.58, 29.95
CIELCh	55, 59.650, 149.857
Yxy	22.9298, 0.2711, 0.4962
Android (android.graphics.Color)	4278229069 (0xFF00984D)
YUV	98.0020, -10.3540, -85.9478
Hunter-Lab	47.8851, -37.1033, 20.1993

Details

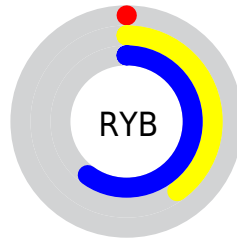
The CIELCh color **55, 59.650, 149.857** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **32, 57.568, 1.858**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **75, 59.536, 149.877**, and **36, 51.323, 142.545** is the 20% darker color. If you saturate the color by 10%, you get **55, 59.625, 149.837**, and if you desaturate by 10%, it is **55, 55.865, 151.942**.

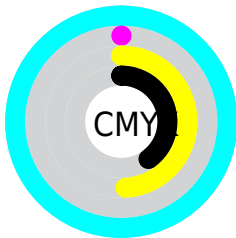
Distribution



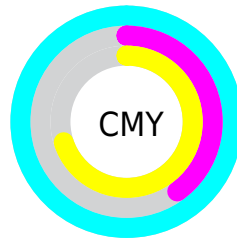
- Red (0%)
- Green (60%)
- Blue (30%)



- Red (0%)
- Yellow (40%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 55, 59.650, 149.857 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 55, 59.650, 149.857 by changing the saturation by 10% instead.


 55, 59.650,
149.857


 55, 59.650,
149.857


 100, 59.650,
149.857


 45, 59.650,
149.857


 75, 59.650,
149.857

 35, 59.650,
149.857

 85, 59.650,
149.857

 25, 59.650,
149.857

 95, 59.650,
149.857

 15, 59.650,
149.857

 5, 59.650, 149.857

 0, 59.650, 149.857

■ 55, 59.650,
149.857

■ 55, 59.650,
149.857

■ 55, 59.625,
149.837

■ 55, 55.865,
151.942

■ 56, 51.599,
153.970

■ 56, 46.674,
155.797

■ 57, 41.119,
157.423

■ 57, 35.011,
158.861

■ 58, 28.453,
160.135

■ 59, 21.563,
161.266

■ 60, 14.456,

162.280

■ 61, 7.237, 163.208

Harmonies

Complementary

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



55, 59.650, 149.857



32, 57.568, 1.858

Rectangle

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



55, 59.650, 149.857



55, 59.650, 199.857



55, 59.650, 329.857



55, 59.650, 19.857

Sweetspot

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



55, 59.625, 149.837



75, 26.578, 161.203



56, 73.905, 127.792



39, 18.212, 160.777



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



55, 59.625, 149.837



70, 72.838, 149.350



57, 34.034, 196.386



32, 4.115, 163.277



51, 56.072, 150.012



3, 4.481, 163.531

Inverse Universe

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



32, 57.568, 1.858



42, 69.530, 2.786



31, 70.496, 39.490



30, 4.167, 344.689



29, 54.361, 1.530



1, 4.430, 344.430

Previews

White Background



This preview shows how the CIELCh color 55, 59.650, 149.857 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 55, 59.650, 149.857 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 55, 59.650, 149.857

Background



This preview shows how black text looks on a background with the CIELCh color 55, 59.650, 149.857.



This preview shows how white text looks on a background with the CIELCh color 55, 59.650, 149.857.

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


55, 59.650, 149.857

Protanopia

55, 34.692, 96.023

Deuteranopia

55, 28.116, 74.996



Tritanopia
55, 25.723, 212.928

Trichromacy



Original Color
55, 59.650, 149.857



Protanomaly
53, 42.319, 133.414



Deuteranomaly
53, 33.793, 131.645



Tritanomaly
55, 34.630, 177.654

Monochromacy



Original Color
55, 59.650, 149.857



Achromatopsia
42, 0.006, 296.813



Achromatomaly
45, 27.347, 159.028

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 55, 59.650, 149.857 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, 152, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 77)  
}
```

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, 152, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 55, 59.650, 149.857 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, 152, 77) }
```

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

```
.border{ border-color:rgb(0, 152, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 55, 59.650, 149.857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 77) }
```

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

```
.background{ background-color: rgb(0, 152,  
77) }
```

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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