

Converting Colors

CIELCh(58, 49.672, 153.449)

Have a look what the booklet for
CIELCh(58, 49.672, 153.449)
contains.

CIELCh(58, 49.600, 153.449)	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(58, 49.600, 153.449)

Conversions

Conversions Part 1

Format	Color
Hex	329E63
RGB	50, 158, 99
RGB Percent	20%, 62%, 39%
CMY	0.8048, 0.3811, 0.6124
CMYK	0.68, 0.00, 0.37, 0.38
HSL	147°, 52%, 41%
HSV	147°, 68%, 62%
XYZ	15.7439, 25.9610, 15.9434
YIQ	118.9820, -45.4290, -41.2450

Conversions

Conversions Part 2

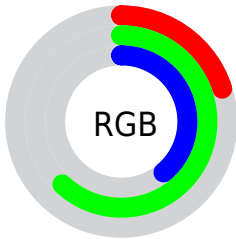
Format	Color
RYB	50, 124, 158
Decimal	3317347
CIELab	58.00, -44.37, 22.17
CIElCh	58, 49.600, 153.449
Yxy	25.9610, 0.2731, 0.4503
Android (android.graphics.Color)	4281507427 (0xFF329E63)
YUV	118.9820, -9.8511, -60.4972
Hunter-Lab	50.9519, -34.0101, 17.1139

Details

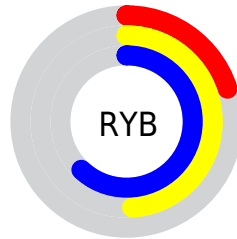
The CIELCh color **58, 49.600, 153.449** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **39, 51.051, 348.990**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 50.056, 153.331**, and **38, 45.373, 150.220** is the 20% darker color. If you saturate the color by 10%, you get **58, 55.116, 151.655**, and if you desaturate by 10%, it is **59, 43.427, 155.042**.

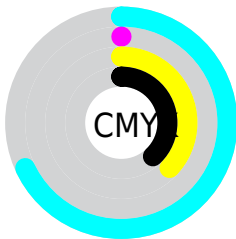
Distribution



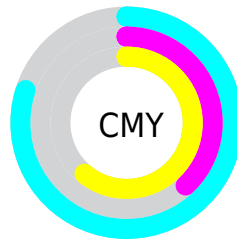
- Red (20%)
- Green (62%)
- Blue (39%)



- Red (20%)
- Yellow (49%)
- Blue (62%)



- Cyan (68%)
- Magenta (0%)
- Yellow (37%)
- Black (38%)



- Cyan (80%)
- Magenta (38%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 49.600, 153.449 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 58, 49.600, 153.449 by changing the saturation by 10% instead.

 58, 49.600,
153.449

 58, 49.600,
153.449

 100, 49.600,
153.449

 48, 49.600,
153.449

 78, 49.600,
153.449

 38, 49.600,
153.449

 88, 49.600,
153.449

 28, 49.600,
153.449

 98, 49.600,
153.449

 18, 49.600,
153.449

 8, 49.600, 153.449

 0, 49.600, 153.449

■ 58, 49.600,
153.449

■ 58, 49.600,
153.449

■ 58, 55.116,
151.655

■ 59, 43.427,
155.042

■ 57, 59.924,
149.662

■ 59, 36.690,
156.447

■ 57, 64.102,
147.554

■ 60, 29.509,
157.685

■ 57, 64.726,
147.248

■ 61, 22.013,
158.779

■ 62, 14.327,
159.754

■ 64, 6.559, 160.643

■ 65, 1.198, 341.096

■ 67, 8.874, 342.035

■ 69, 16.416,
342.693

Harmonies

Complementary

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



58, 49.600, 153.449



39, 51.051, 348.990

Rectangle

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



58, 49.600, 153.449



58, 49.600, 203.449



58, 49.600, 333.449



58, 49.600, 23.449

Sweetspot

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



58, 49.601, 153.449



79, 20.079, 159.478



60, 59.658, 124.509



41, 13.548, 159.234



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



58, 49.601, 153.449



73, 69.742, 150.665



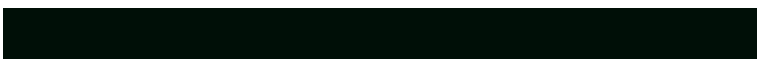
59, 31.736, 191.031



33, 4.392, 160.574



52, 59.890, 147.460



3, 5.845, 160.100

Inverse Universe

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



39, 51.051, 348.990



47, 69.233, 352.271



37, 50.118, 26.132



31, 4.437, 341.933



30, 55.779, 356.865



1, 5.636, 342.700

Previews

White Background



This preview shows how the CIELCh color 58, 49.600, 153.449 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 58, 49.600, 153.449 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 58, 49.600, 153.449

Background



This preview shows how black text looks on a background with the CIELCh color 58, 49.600, 153.449.

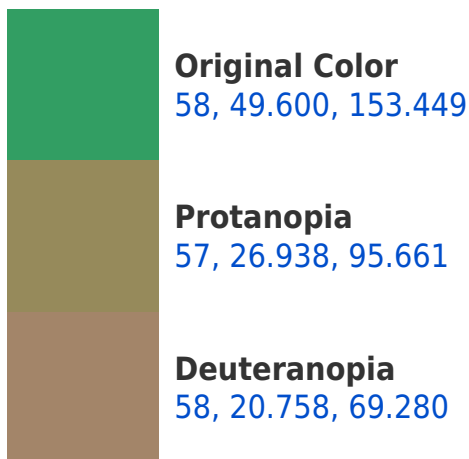


This preview shows how white text looks on a background with the CIELCh color 58, 49.600, 153.449.

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





Tritanopia
58, 24.326, 213.873

Trichromacy



Original Color

58, 49.600, 153.449



Protanomaly

57, 31.381, 131.164



Deuteranomaly

57, 23.536, 128.293



Tritanomaly

58, 29.831, 181.098

Monochromacy



Original Color

58, 49.600, 153.449



Achromatopsia

50, 0.007, 296.813



Achromatomaly

52, 19.601, 159.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 49.600, 153.449 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(50, 158, 99)` looks like.

```
.text, #text, p{  
    color:rgb(50, 158, 99)  
}
```

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(50, 158, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 158, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 49.600, 153.449 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(50, 158, 99) }
```

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

```
.border{ border-color:rgb(50, 158, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 158, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 158, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 158, 99);  
box-shadow:4px 4px 4px 4px rgb(50, 158,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 49.600, 153.449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 158, 99) }
```

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

```
.background{ background-color: rgb(50, 158,  
99) }
```

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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