

Converting Colors

CIELCh(70, 58.163, 160.119)

Have a look what the booklet for
CIELCh(70, 58.163, 160.119)
contains.

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Color

CIELCh(70, 58.409, 159.952)

Conversions

Conversions Part 1

Format	Color
Hex	13C385
RGB	19, 195, 133
RGB Percent	7%, 76%, 52%
CMY	0.9245, 0.2362, 0.4793
CMYK	0.90, 0.00, 0.32, 0.24
HSL	159°, 82%, 42%
HSV	159°, 90%, 76%
XYZ	23.9523, 40.7494, 28.7125
YIQ	135.3080, -84.9940, -56.5940

Conversions

Conversions Part 2

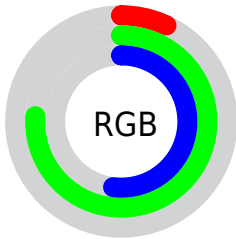
Format	Color
RYB	19, 126, 195
Decimal	1295237
CIELab	70.00, -54.87, 20.02
CIELCh	70, 58.409, 159.952
Yxy	40.7494, 0.2564, 0.4362
Android (android.graphics.Color)	4279485317 (0xFF13C385)
YUV	135.3080, -1.1378, -102.0021
Hunter-Lab	63.8353, -44.7349, 18.0166

Details

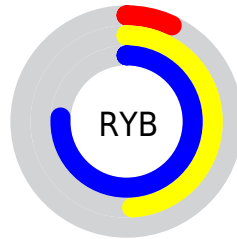
The CIELCh color **70, 58.409, 159.952** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **42, 67.173, 11.387**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 58.777, 159.758**, and **51, 50.953, 154.892** is the 20% darker color. If you saturate the color by 10%, you get **70, 61.695, 157.796**, and if you desaturate by 10%, it is **70, 54.471, 161.996**.

Distribution



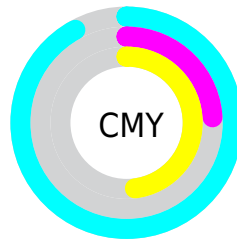
- Red (7%)
- Green (76%)
- Blue (52%)



- Red (7%)
- Yellow (49%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (24%)





- Cyan (92%)
- Magenta (24%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 58.409, 159.952 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 70, 58.409, 159.952 by changing the saturation by 10% instead.


 70, 58.409,
159.952


 70, 58.409,
159.952


 100, 58.409,
159.952


 60, 58.409,
159.952


 90, 58.409,
159.952

 50, 58.409,
159.952

 40, 58.409,
159.952

 30, 58.409,
159.952

 20, 58.409,
159.952

 10, 58.409,
159.952

 0, 58.409, 159.952

■ 70, 58.409,
159.952

■ 70, 58.409,
159.952

■ 70, 61.695,
157.796

■ 70, 54.471,
161.996

■ 71, 49.743,
163.834

■ 71, 44.226,
165.474

■ 72, 37.984,
166.936

■ 73, 31.124,
168.247

■ 74, 23.774,
169.430

■ 76, 16.069,
170.510

■ 77, 8.135, 171.519

Harmonies

Complementary

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



70, 58.409, 159.952



42, 67.173, 11.387

Rectangle

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



70, 58.409, 159.952



70, 58.409, 209.952



70, 58.409, 339.952



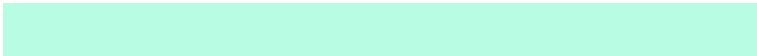
70, 58.409, 29.952

Sweetspot

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



70, 58.409, 159.952



94, 26.416, 169.729



70, 89.059, 131.033



50, 17.858, 169.340



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 58.409, 159.952



88, 75.496, 157.412



64, 35.304, 218.874



40, 4.545, 171.593



58, 53.167, 158.146



10, 16.409, 164.222

Inverse Universe

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



42, 67.173, 11.387



53, 85.534, 17.352



43, 76.432, 40.544



38, 4.648, 353.193



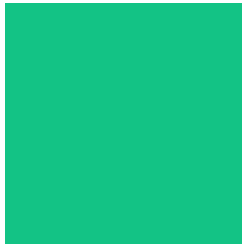
34, 60.617, 15.528



3, 14.845, 0.729

Previews

White Background



This preview shows how the CIELCh color 70, 58.409, 159.952 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 70, 58.409, 159.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

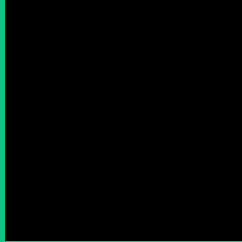
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 58.409, 159.952

Background



This preview shows how black text looks on a background with the CIELCh color 70, 58.409, 159.952.

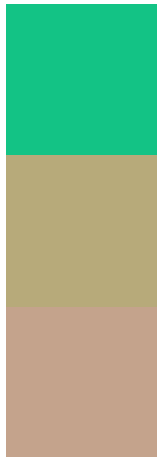


This preview shows how white text looks on a background with the CIELCh color 70, 58.409, 159.952.

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

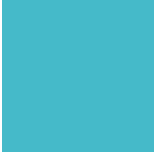
70, 58.458, 159.981

Protanopia

70, 26.610, 95.688

Deuteranopia

69, 18.634, 62.221



Tritanopia
70, 32.626, 211.847

Trichromacy



Original Color
70, 58.458, 159.981



Protanomaly
68, 36.128, 143.696



Deuteranomaly
68, 26.692, 146.092



Tritanomaly
70, 39.021, 185.775

Monochromacy



Original Color
70, 58.458, 159.981



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 26.669, 167.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 58.409, 159.952 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(19, 195, 133)` looks like.

```
.text, #text, p{  
    color:rgb(19, 195, 133)  
}
```

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(19, 195, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 195, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 58.409, 159.952 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(19, 195, 133) }
```

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

```
.border{ border-color:rgb(19, 195, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 195, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 195, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 195, 133);  
box-shadow:4px 4px 4px 4px rgb(19, 195,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 58.409, 159.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 195, 133) }
```

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

```
.background{ background-color: rgb(19, 195,  
133) }
```

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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