

Converting Colors

CIELCh(69, 40.444, 190.185)

Have a look what the booklet for
CIELCh(69, 40.444, 190.185)
contains.

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Color

CIELCh(69, 40.517, 190.001)

Conversions

Conversions Part 1

Format	Color
Hex	14BCB4
RGB	20, 188, 180
RGB Percent	8%, 74%, 71%
CMY	0.9232, 0.2633, 0.2946
CMYK	0.90, 0.00, 0.04, 0.26
HSL	177°, 81%, 41%
HSV	177°, 90%, 74%
XYZ	26.4600, 39.3444, 49.3109
YIQ	136.8560, -97.5600, -38.1040

Conversions

Conversions Part 2

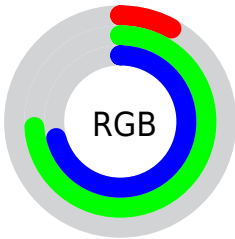
Format	Color
RYB	20, 106, 188
Decimal	1359028
CIELab	69.00, -39.90, -7.04
CIELCh	69, 40.517, 190.001
Yxy	39.3444, 0.2299, 0.3418
Android (android.graphics.Color)	4279549108 (0xFF14BCB4)
YUV	136.8560, 21.2700, -102.4827
Hunter-Lab	62.7251, -34.4703, -2.7028

Details

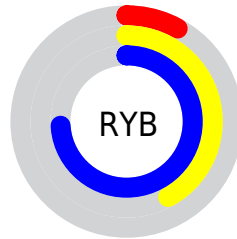
The CIELCh color **69, 40.517, 190.001** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **40, 75.001, 34.660**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 40.484, 190.119**, and **50, 32.424, 188.882** is the 20% darker color. If you saturate the color by 10%, you get **69, 41.399, 189.375**, and if you desaturate by 10%, it is **69, 38.983, 190.603**.

Distribution



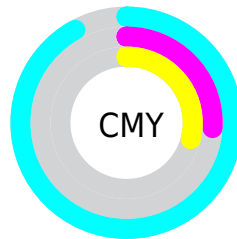
- Red (8%)
- Green (74%)
- Blue (71%)



- Red (8%)
- Yellow (42%)
- Blue (74%)



- Cyan (90%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)





- Cyan (92%)
- Magenta (26%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 40.517, 190.001 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 69, 40.517, 190.001 by changing the saturation by 10% instead.


 69, 40.517,
190.001


 69, 40.517,
190.001


 100, 40.517,
190.001


 59, 40.517,
190.001


 89, 40.517,
190.001

 49, 40.517,
190.001


 99, 40.517,
190.001

 39, 40.517,
190.001

 29, 40.517,
190.001

 19, 40.517,
190.001

 9, 40.517, 190.001

 0, 40.517, 190.001

■ 69, 40.517,
190.001

■ 69, 40.517,
190.001

■ 69, 41.399,
189.375

■ 69, 38.983,
190.603

■ 69, 41.433,
189.348

■ 70, 36.624,
191.189

■ 70, 33.410,
191.770

■ 71, 29.366,
192.358

■ 72, 24.556,
192.958

■ 72, 19.075,
193.577

■ 74, 13.030,
194.219

■ 75, 6.535, 194.904

Harmonies

Complementary

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



69, 40.517, 190.001



40, 75.001, 34.660

Rectangle

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



69, 40.517, 190.001



69, 40.517, 240.001



69, 40.517, 10.001



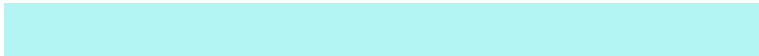
69, 40.517, 60.001

Sweetspot

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



69, 40.517, 190.000



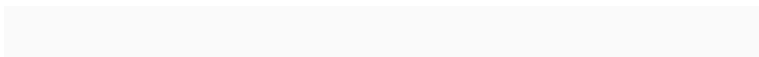
92, 21.753, 193.711



67, 91.996, 136.116



49, 14.479, 193.496



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 40.517, 190.000



88, 50.579, 189.237



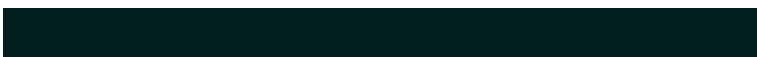
46, 46.893, 273.878



39, 3.886, 194.920



59, 36.448, 189.435



9, 11.908, 191.466

Inverse Universe

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



40, 75.001, 34.660



51, 99.554, 38.648



51, 63.715, 58.937



37, 4.099, 16.069



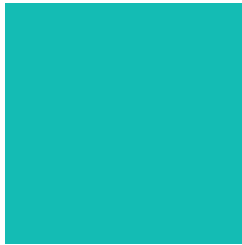
32, 70.981, 37.725



3, 12.273, 16.666

Previews

White Background



This preview shows how the CIE LCh color 69, 40.517, 190.001 looks on a white background.

Color Contrast Check

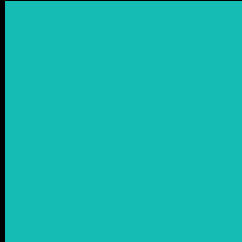
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 69, 40.517, 190.001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

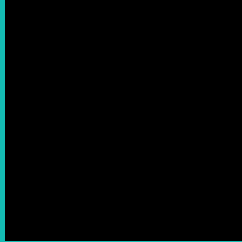
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

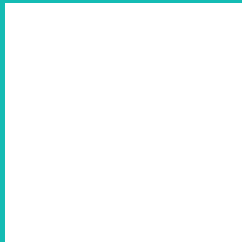
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 40.517, 190.001

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.517, 190.001.

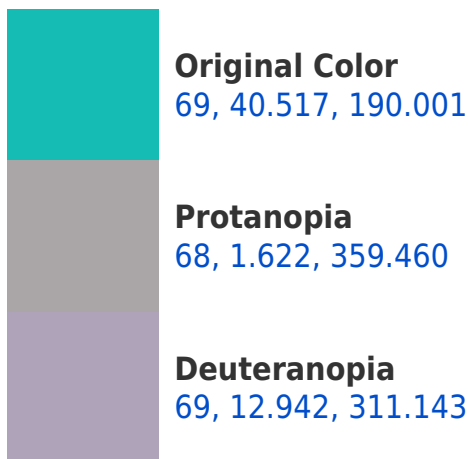


This preview shows how white text looks on a background with the CIELCh color 69, 40.517, 190.001.

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
69, 35.574, 210.408

Trichromacy



Original Color
69, 40.517, 190.001



Protanomaly
67, 20.150, 194.584



Deuteranomaly
67, 18.697, 217.159



Tritanomaly
69, 36.972, 202.683

Monochromacy



Original Color
69, 40.517, 190.001



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 20.837, 194.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.517, 190.001 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(20, 188, 180)` looks like.

```
.text, #text, p{  
    color:rgb(20, 188, 180)  
}
```

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(20, 188, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 188, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.517, 190.001 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(20, 188, 180) }
```

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

```
.border{ border-color:rgb(20, 188, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 188, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 188, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 188, 180);  
box-shadow:4px 4px 4px 4px rgb(20, 188,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.517, 190.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 188, 180) }
```

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

```
.background{ background-color: rgb(20, 188,  
180) }
```

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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