

Converting Colors

CIELCh(64, 81.083, 191.178)

Have a look what the booklet for
CIELCh(64, 81.083, 191.178)
contains.

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Color

CIELCh(69, 40.715, 191.577)

Conversions

Conversions Part 1

Format	Color
Hex	05BCB6
RGB	5, 188, 182
RGB Percent	2%, 74%, 71%
CMY	0.9816, 0.2630, 0.2866
CMYK	0.98, 0.00, 0.03, 0.26
HSL	178°, 95%, 38%
HSV	178°, 98%, 74%
XYZ	26.4636, 39.3444, 50.4117
YIQ	132.5990, -107.1420, -40.6620

Conversions

Conversions Part 2

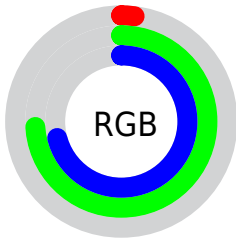
Format	Color
RYB	5, 98, 188
Decimal	375990
CIELab	69.00, -39.89, -8.17
CIELCh	69, 40.715, 191.577
Yxy	39.3444, 0.2277, 0.3385
Android (android.graphics.Color)	4278566070 (0xFF05BCB6)
YUV	132.5990, 24.3547, -111.9043
Hunter-Lab	62.7251, -34.4602, -3.7434

Details

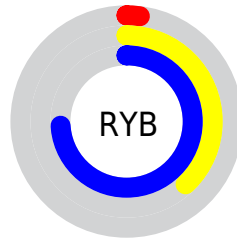
The CIELCh color **69, 40.715, 191.577** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 80.417, 38.085**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 40.705, 191.635**, and **50, 31.992, 190.961** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.896, 191.462**, and if you desaturate by 10%, it is **69, 39.816, 192.034**.

Distribution



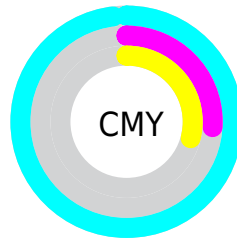
- Red (2%)
- Green (74%)
- Blue (71%)



- Red (2%)
- Yellow (38%)
- Blue (74%)



- Cyan (98%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)





- Cyan (98%)
- Magenta (26%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 40.715, 191.577 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, 40.715, 191.577 by changing the saturation by 10% instead.

 69, 40.715,
191.577

 69, 40.715,
191.577


 100, 40.715,
191.577


 59, 40.715,
191.577


 89, 40.715,
191.577


 49, 40.715,
191.577


 99, 40.715,
191.577

 39, 40.715,
191.577

 29, 40.715,
191.577

 19, 40.715,
191.577

 9, 40.715, 191.577

 0, 40.715, 191.577

■ 69, 40.715,
191.577

■ 69, 40.715,
191.577

■ 69, 40.896,
191.462

■ 69, 39.816,
192.034

■ 69, 38.189,
192.489

■ 70, 35.727,
192.952

■ 70, 32.408,
193.433

■ 71, 28.263,
193.938

■ 72, 23.362,
194.472

■ 73, 17.801,
195.037

■ 74, 11.689,

195.637

■ 75, 5.138, 196.303

Harmonies

Complementary

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



69, 40.715, 191.577



39, 80.417, 38.085

Rectangle

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



69, 40.715, 191.577



69, 40.715, 241.577



69, 40.715, 11.577



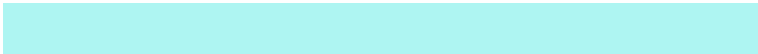
69, 40.715, 61.577

Sweetspot

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



69, 40.715, 191.576



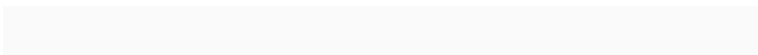
92, 23.103, 194.923



67, 94.464, 135.981



48, 15.594, 194.680



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, 40.715, 191.576



88, 49.896, 191.384



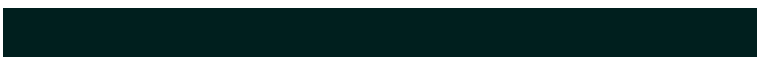
43, 52.424, 279.553



39, 3.877, 196.169



59, 35.972, 191.524



9, 11.824, 193.070

Inverse Universe

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



39, 80.417, 38.085



51, 100.100, 39.060



50, 67.487, 58.411



37, 4.096, 17.256



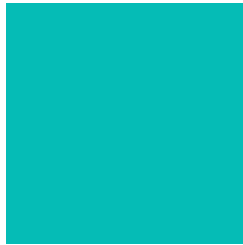
32, 71.535, 38.334



3, 12.264, 17.510

Previews

White Background



This preview shows how the CIE LCh color 69, 40.715, 191.577 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 69, 40.715, 191.577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

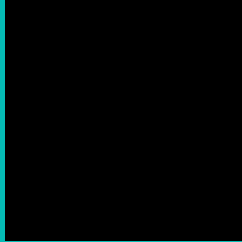
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

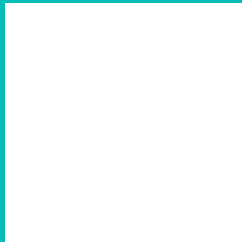
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 40.715, 191.577

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.715, 191.577.

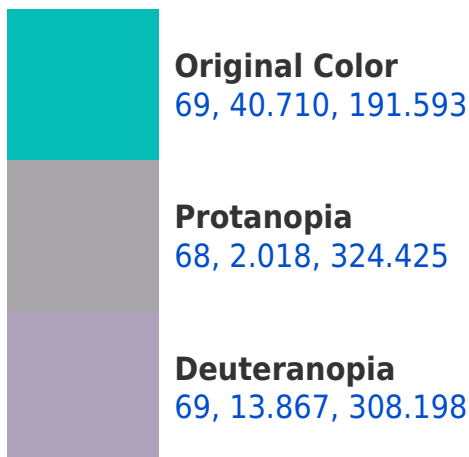


This preview shows how white text looks on a background with the CIELCh color 69, 40.715, 191.577.

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, 36.036, 210.201

Trichromacy



Original Color
69, 40.710, 191.593



Protanomaly
67, 21.680, 197.638



Deuteranomaly
67, 20.505, 218.630



Tritanomaly
69, 37.558, 202.547

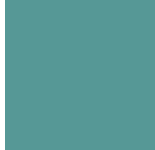
Monochromacy



Original Color
69, 40.710, 191.593



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 22.213, 194.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.715, 191.577 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(5, 188, 182)` looks like.

```
.text, #text, p{  
    color:rgb(5, 188, 182)  
}
```

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(5, 188, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 188, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.715, 191.577 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(5, 188, 182) }
```

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

```
.border{ border-color:rgb(5, 188, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 188, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 188, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 188, 182);  
box-shadow:4px 4px 4px 4px rgb(5, 188,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.715, 191.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 188, 182) }
```

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

```
.background{ background-color: rgb(5, 188,  
182) }
```

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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