

Converting Colors

CIELCh(68, 46.414, 196.517)

Have a look what the booklet for
CIELCh(68, 46.414, 196.517)
contains.

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Color

CIELCh(69, 39.549, 197.210)

Conversions

Conversions Part 1

Format	Color
Hex	02BBBC
RGB	2, 187, 188
RGB Percent	1%, 73%, 74%
CMY	0.9930, 0.2653, 0.2614
CMYK	0.99, 0.01, 0.00, 0.26
HSL	180°, 98%, 37%
HSV	180°, 99%, 74%
XYZ	26.9796, 39.3444, 53.9421
YIQ	131.7990, -110.5810, -38.9090

Conversions

Conversions Part 2

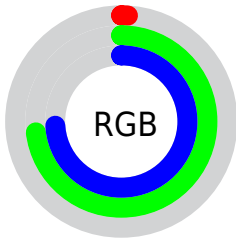
Format	Color
RYB	2, 95, 188
Decimal	179132
CIELab	69.00, -37.78, -11.70
CIELCh	69, 39.549, 197.210
Yxy	39.3444, 0.2243, 0.3271
Android (android.graphics.Color)	4278369212 (0xFF02BBBC)
YUV	131.7990, 27.7071, -113.8337
Hunter-Lab	62.7251, -32.9918, -7.0805

Details

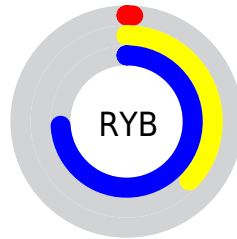
The CIELCh color **69, 39.549, 197.210** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **39, 82.630, 39.770**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 39.560, 196.919**, and **50, 30.609, 198.653** is the 20% darker color. If you saturate the color by 10%, you get **69, 39.602, 197.212**, and if you desaturate by 10%, it is **69, 38.878, 197.189**.

Distribution



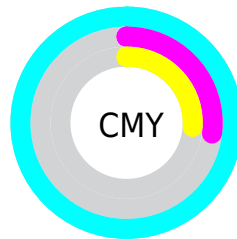
- Red (1%)
- Green (73%)
- Blue (74%)



- Red (1%)
- Yellow (37%)
- Blue (74%)



- Cyan (99%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)





- Cyan (99%)
- Magenta (27%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 39.549, 197.210 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, 39.549, 197.210 by changing the saturation by 10% instead.


 69, 39.549,
197.210


 69, 39.549,
197.210


 100, 39.549,
197.210


 59, 39.549,
197.210


 89, 39.549,
197.210

 49, 39.549,
197.210

 99, 39.549,
197.210

 39, 39.549,
197.210

 29, 39.549,
197.210

 19, 39.549,
197.210

 9, 39.549, 197.210

 0, 39.549, 197.210

■ 69, 39.549,
197.210

■ 69, 39.549,
197.210

■ 69, 39.602,
197.212

■ 69, 38.878,
197.189

■ 69, 37.539,
197.226

■ 70, 35.374,
197.334

■ 70, 32.349,
197.515

■ 71, 28.481,
197.769

■ 72, 23.831,
198.092

■ 73, 18.485,
198.481

■ 74, 12.548,

198.933

■ 75, 6.131, 199.464

Harmonies

Complementary

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



69, 39.549, 197.210



39, 82.630, 39.770

Rectangle

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



69, 39.549, 197.210



69, 39.549, 247.210



69, 39.549, 17.210



69, 39.549, 67.210

Sweetspot

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



69, 39.548, 197.209



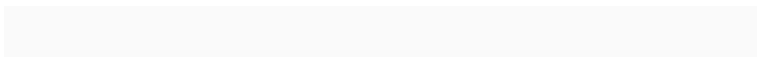
92, 23.489, 198.421



67, 95.154, 136.053



48, 15.747, 198.254



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, 39.548, 197.209



87, 48.212, 197.225



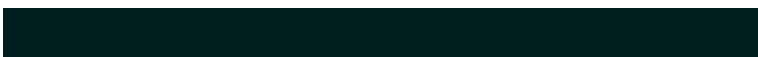
41, 57.027, 283.738



39, 3.842, 199.445



59, 34.796, 197.201



9, 11.579, 197.388

Inverse Universe

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



45, 91.463, 328.437



58, 111.575, 328.448



51, 67.430, 60.749



37, 7.043, 325.071



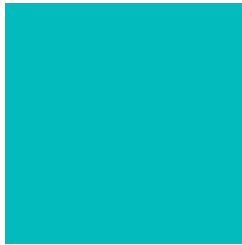
37, 80.517, 328.442



3, 21.379, 325.639

Previews

White Background



This preview shows how the CIELCh color 69, 39.549, 197.210 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, 39.549, 197.210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

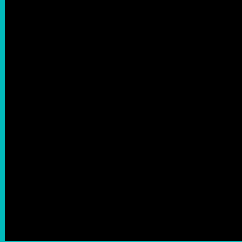
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

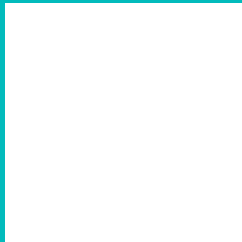
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 39.549, 197.210

Background



This preview shows how black text looks on a background with the CIELCh color 69, 39.549, 197.210.

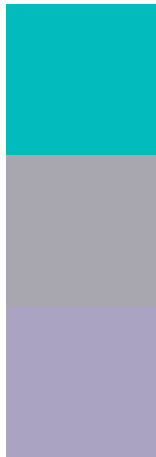


This preview shows how white text looks on a background with the CIELCh color 69, 39.549, 197.210.

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](#).

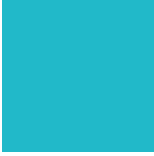
Dichromacy



Original Color
69, 39.486, 197.216

Protanopia
69, 5.023, 299.180

Deuteranopia
69, 17.367, 301.279



Tritanopia
69, 36.499, 210.912

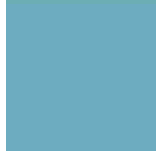
Trichromacy



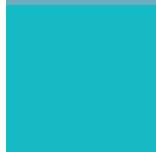
Original Color
69, 39.486, 197.216



Protanomaly
67, 21.697, 206.569



Deuteranomaly
67, 22.314, 227.961

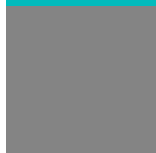


Tritanomaly
69, 37.610, 205.136

Monochromacy



Original Color
69, 39.486, 197.216



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 22.257, 197.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 39.549, 197.210 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(2, 187, 188)` looks like.

```
.text, #text, p{  
    color:rgb(2, 187, 188)  
}
```

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(2, 187, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 187, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 39.549, 197.210 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(2, 187, 188) }
```

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

```
.border{ border-color:rgb(2, 187, 188) }
```

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

Here you see how a box with a 4 pixel rgb(2, 187, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 187, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 187, 188);  
box-shadow:4px 4px 4px 4px rgb(2, 187,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 39.549, 197.210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 187, 188) }
```

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

```
.background{ background-color: rgb(2, 187,  
188) }
```

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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