

Converting Colors

CIELCh(69, 39.965, 196.377)

Have a look what the booklet for
CIELCh(69, 39.965, 196.377)
contains.

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Color

CIElCh(69, 39.853, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	00BBBC
RGB	0, 187, 188
RGB Percent	0%, 73%, 74%
CMY	1.0000, 0.2647, 0.2647
CMYK	1.00, 0.00, 0.00, 0.26
HSL	180°, 100%, 37%
HSV	180°, 100%, 74%
XYZ	26.8674, 39.3444, 53.4744
YIQ	131.2010, -111.7730, -39.3330

Conversions

Conversions Part 2

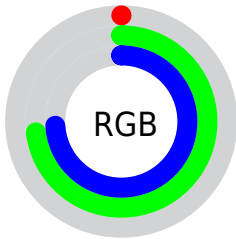
Format	Color
RYB	0, 94, 188
Decimal	48060
CIELab	69.00, -38.23, -11.24
CIELCh	69, 39.853, 196.386
Yxy	39.3444, 0.2245, 0.3287
Android (android.graphics.Color)	4278238140 (0xFF00BBBC)
YUV	131.2010, 28.0019, -115.0633
Hunter-Lab	62.7251, -33.3110, -6.6383

Details

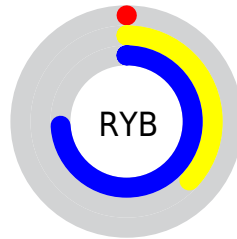
The CIELCh color **69, 39.853, 196.386** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **39, 82.997, 40.000**, and the grayscale version is **55, 0.007, 296.813**.

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, 39.773, 196.391**, and if you desaturate by 10%, it is **69, 39.107, 196.438**.

Distribution



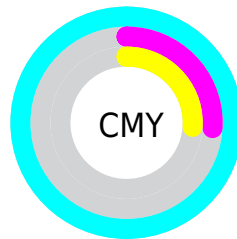
- Red (0%)
- Green (73%)
- Blue (74%)



- Red (0%)
- Yellow (37%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 39.853, 196.386 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, 39.853, 196.386 by changing the saturation by 10% instead.

 69, 39.853,
196.386

 69, 39.853,
196.386


 100, 39.853,
196.386


 59, 39.853,
196.386


 89, 39.853,
196.386

 49, 39.853,
196.386

 99, 39.853,
196.386

 39, 39.853,
196.386

 29, 39.853,
196.386

 19, 39.853,
196.386

 9, 39.853, 196.386

 0, 39.853, 196.386

■ 69, 39.853,
196.386

■ 69, 39.853,
196.386

■ 69, 39.773,
196.391

■ 69, 39.107,
196.438

■ 69, 37.819,
196.531

■ 70, 35.714,
196.684

■ 70, 32.753,
196.901

■ 71, 28.949,
197.184

■ 71, 24.355,
197.531

■ 72, 19.058,
197.939

■ 73, 13.159,

198.407

■ 75, 6.771, 198.946

Harmonies

Complementary

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



69, 39.853, 196.386



39, 82.997, 40.000

Rectangle

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



69, 39.853, 196.386



69, 39.853, 246.386



69, 39.853, 16.386



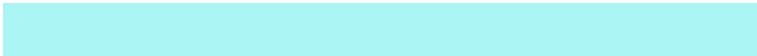
69, 39.853, 66.386

Sweetspot

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



69, 39.773, 196.391



92, 23.621, 197.918



66, 95.064, 136.016



48, 15.836, 197.739



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, 39.773, 196.391



88, 48.587, 196.391



41, 57.379, 284.121



39, 3.863, 198.985



59, 35.058, 196.391



9, 11.663, 196.742

Inverse Universe

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



45, 91.719, 328.234



58, 112.046, 328.234



50, 67.668, 60.550



37, 7.068, 324.929



37, 80.847, 328.234



3, 21.489, 325.461

Previews

White Background



This preview shows how the CIE LCh color 69, 39.853, 196.386 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, 39.853, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

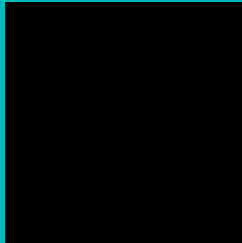
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

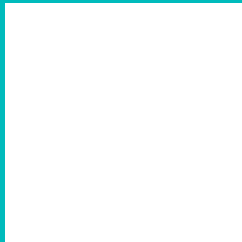
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 39.853, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 69, 39.853, 196.386.

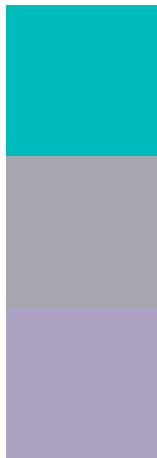


This preview shows how white text looks on a background with the CIELCh color 69, 39.853, 196.386.

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, 39.549, 197.210

Protanopia
68, 4.480, 300.188

Deuteranopia
69, 16.825, 301.557

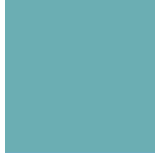


Tritanopia
69, 36.425, 210.946

Trichromacy



Original Color
69, 39.549, 197.210



Protanomaly
67, 21.974, 204.954



Deuteranomaly
67, 22.126, 226.570



Tritanomaly
69, 37.610, 205.136

Monochromacy



Original Color
69, 39.549, 197.210



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 22.775, 197.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 39.853, 196.386 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(0, 187, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 187, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 39.853, 196.386 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(0, 187, 188) }
```

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

```
.border{ border-color:rgb(0, 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(0, 187, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 39.853, 196.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 188) }
```

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

```
.background{ background-color: rgb(0, 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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