

Converting Colors

CIELCh(69, 39.537, 196.386)

Have a look what the booklet for
CIELCh(69, 39.537, 196.386)
contains.

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Color

CIELCh(69, 39.472, 196.402)

Conversions

Conversions Part 1

Format	Color
Hex	09BBBB
RGB	9, 187, 187
RGB Percent	4%, 73%, 73%
CMY	0.9655, 0.2653, 0.2653
CMYK	0.95, 0.00, 0.00, 0.27
HSL	180°, 91%, 38%
HSV	180°, 95%, 73%
XYZ	26.9581, 39.3444, 53.3759
YIQ	133.7780, -106.0880, -37.7360

Conversions

Conversions Part 2

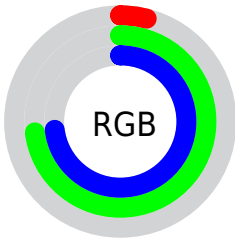
Format	Color
RYB	9, 98, 187
Decimal	637883
CIELab	69.00, -37.87, -11.15
CIELCh	69, 39.472, 196.402
Yxy	39.3444, 0.2253, 0.3288
Android (android.graphics.Color)	4278827963 (0xFF09BBBB)
YUV	133.7780, 26.2384, -109.4303
Hunter-Lab	62.7251, -33.0530, -6.5453

Details

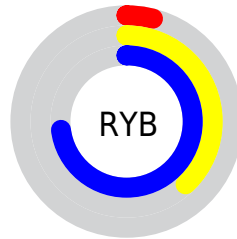
The CIELCh color **69, 39.472, 196.402** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **39, 80.305, 38.687**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 39.499, 196.154**, and **50, 30.752, 197.514** is the 20% darker color. If you saturate the color by 10%, you get **69, 39.750, 196.381**, and if you desaturate by 10%, it is **69, 38.576, 196.466**.

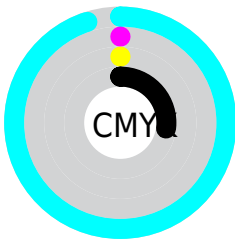
Distribution



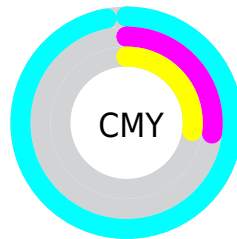
- Red (4%)
- Green (73%)
- Blue (73%)



- Red (4%)
- Yellow (38%)
- Blue (73%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)





- Cyan (97%)
- Magenta (27%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 39.472, 196.402 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, 39.472, 196.402 by changing the saturation by 10% instead.


 69, 39.472,
196.402


 69, 39.472,
196.402


 100, 39.472,
196.402


 59, 39.472,
196.402


 89, 39.472,
196.402

 49, 39.472,
196.402

 99, 39.472,
196.402

 39, 39.472,
196.402

 29, 39.472,
196.402

 19, 39.472,
196.402

 9, 39.472, 196.402

 0, 39.472, 196.402

■ 69, 39.472,
196.402

■ 69, 39.472,
196.402

■ 69, 39.750,
196.381

■ 69, 38.576,
196.466

■ 69, 36.914,
196.587

■ 70, 34.410,
196.770

■ 70, 31.051,
197.019

■ 71, 26.870,
197.332

■ 72, 21.937,
197.709

■ 73, 16.347,
198.146

■ 74, 10.209,

198.643

■ 75, 3.632, 199.257

Harmonies

Complementary

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



69, 39.472, 196.402



39, 80.305, 38.687

Rectangle

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



69, 39.472, 196.402



69, 39.472, 246.402



69, 39.472, 16.402



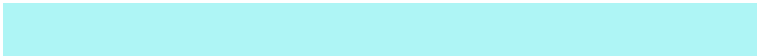
69, 39.472, 66.402

Sweetspot

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



69, 39.471, 196.401



92, 22.924, 197.956



66, 93.807, 136.131



48, 15.459, 197.773



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, 39.471, 196.401



88, 48.591, 196.381



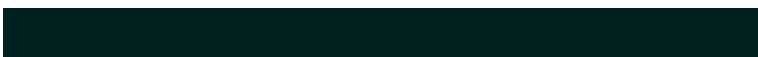
43, 52.859, 280.358



39, 3.863, 198.979



59, 35.061, 196.381



9, 11.663, 196.735

Inverse Universe

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



39, 80.305, 38.687



51, 101.390, 39.999



50, 65.808, 60.296



37, 4.096, 19.915



32, 72.801, 39.663



3, 12.251, 19.403

Previews

White Background



This preview shows how the CIE LCh color 69, 39.472, 196.402 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, 39.472, 196.402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

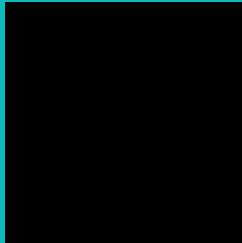
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

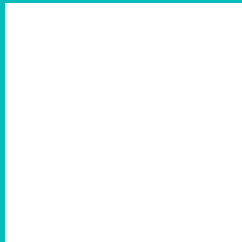
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 39.472, 196.402

Background



This preview shows how black text looks on a background with the CIELCh color 69, 39.472, 196.402.

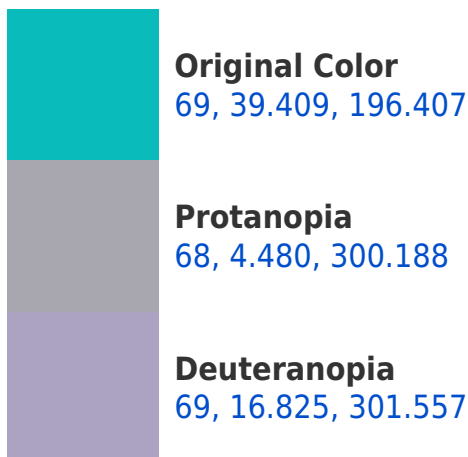


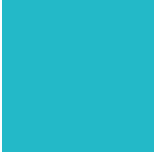
This preview shows how white text looks on a background with the CIELCh color 69, 39.472, 196.402.

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



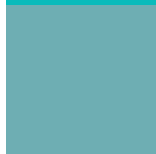


Tritanopia
69, 36.365, 210.055

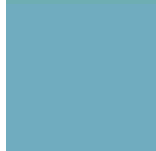
Trichromacy



Original Color
69, 39.409, 196.407



Protanomaly
67, 21.164, 205.295



Deuteranomaly
67, 21.430, 227.632

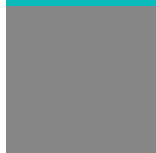


Tritanomaly
69, 37.514, 204.293

Monochromacy



Original Color
69, 39.409, 196.407



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 21.728, 197.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 39.472, 196.402 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(9, 187, 187)` looks like.

```
.text, #text, p{  
    color:rgb(9, 187, 187)  
}
```

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(9, 187, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 187, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 39.472, 196.402 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(9, 187, 187) }
```

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

```
.border{ border-color:rgb(9, 187, 187) }
```

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

Here you see how a box with a 4 pixel rgb(9, 187, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 187, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 187, 187);  
box-shadow:4px 4px 4px 4px rgb(9, 187,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 39.472, 196.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 187, 187) }
```

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

```
.background{ background-color: rgb(9, 187,  
187) }
```

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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