

Converting Colors

CIELCh(69, 40.916, 239.232)

Have a look what the booklet for
CIELCh(69, 40.916, 239.232)
contains.

CIELCh(69, 40.898, 239.170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 40.898, 239.170)

Conversions

Conversions Part 1

Format	Color
Hex	0CB6E7
RGB	12, 182, 231
RGB Percent	5%, 71%, 91%
CMY	0.9510, 0.2860, 0.0938
CMYK	0.95, 0.21, 0.00, 0.09
HSL	193°, 90%, 48%
HSV	193°, 95%, 91%
XYZ	31.3378, 39.3444, 81.6062
YIQ	136.7560, -117.0490, -20.8010

Conversions

Conversions Part 2

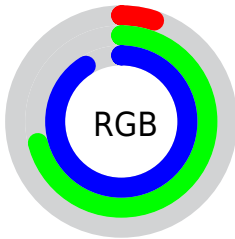
Format	Color
R_{YB}	12, 108, 231
Decimal	833255
CIE _{Lab}	69.00, -20.96, -35.12
CIE _{LCh}	69, 40.898, 239.170
Y _{xy}	39.3444, 0.2058, 0.2584
Android (android.graphics.Color)	4279023335 (0xFF0CB6E7)
YUV	136.7560, 46.4623, -109.4110
Hunter-Lab	62.7251, -20.5894, -33.2295

Details

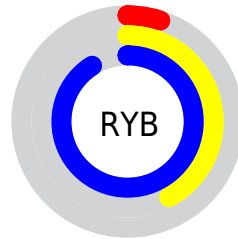
The CIELCh color **69, 40.898, 239.170** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **52, 87.840, 44.101**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 36.063, 211.681**, and **50, 34.979, 248.670** is the 20% darker color. If you saturate the color by 10%, you get **68, 41.538, 241.484**, and if you desaturate by 10%, it is **71, 39.465, 235.246**.

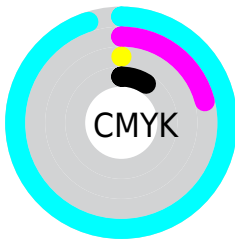
Distribution



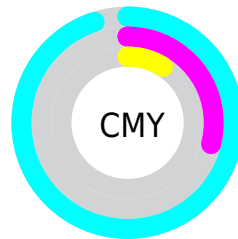
- Red (5%)
- Green (71%)
- Blue (91%)



- Red (5%)
- Yellow (42%)
- Blue (91%)



- Cyan (95%)
- Magenta (21%)
- Yellow (0%)
- Black (9%)





- Cyan (95%)
- Magenta (29%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 40.898, 239.170 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, 40.898, 239.170 by changing the saturation by 10% instead.


 69, 40.898,
239.170


 69, 40.898,
239.170


 100, 40.898,
239.170


 59, 40.898,
239.170


 89, 40.898,
239.170

 49, 40.898,
239.170

 99, 40.898,
239.170

 39, 40.898,
239.170

 29, 40.898,
239.170

 19, 40.898,
239.170

 9, 40.898, 239.170

 0, 40.898, 239.170

■ 69, 40.898,
239.170

■ 69, 40.898,
239.170

■ 68, 41.538,
241.484

■ 71, 39.465,
235.246

■ 73, 37.405,
232.003

■ 75, 34.590,
229.399

■ 77, 30.982,
227.351

■ 79, 26.609,
225.769

■ 82, 21.542,
224.566

■ 85, 15.874,
223.669

■ 87, 9.706, 223.025

Harmonies

Complementary

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



69, 40.898, 239.170



52, 87.840, 44.101

Rectangle

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



69, 40.898, 239.170



69, 40.898, 289.170



69, 40.898, 59.170



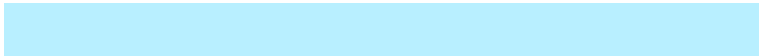
69, 40.898, 109.170

Sweetspot

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



69, 40.897, 239.170



91, 19.338, 223.956



81, 101.538, 139.521



47, 13.142, 224.353



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 40.897, 239.170



75, 44.796, 241.746



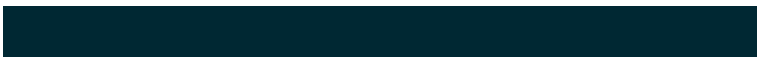
39, 93.727, 297.945



47, 3.806, 222.789



54, 34.135, 240.677



14, 14.043, 233.198

Inverse Universe

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



53, 89.834, 339.170



57, 96.912, 339.950



73, 75.936, 81.156



45, 7.106, 331.960



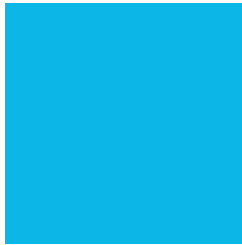
40, 74.422, 339.629



8, 32.018, 337.503

Previews

White Background



This preview shows how the CIE LCh color 69, 40.898, 239.170 looks on a white background.

Color Contrast Check

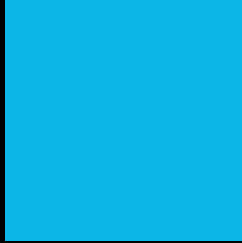
Large Text (above 18pt) WCAG AA × Fail

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, 40.898, 239.170 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, 40.898, 239.170

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.898, 239.170.

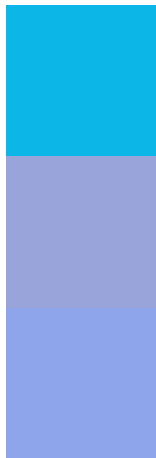


This preview shows how white text looks on a background with the CIELCh color 69, 40.898, 239.170.

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

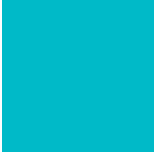
69, 40.898, 239.170

Protanopia

69, 29.292, 285.484

Deuteranopia

69, 38.784, 284.151



Tritanopia
69, 38.175, 208.421

Trichromacy



Original Color
69, 40.898, 239.170



Protanomaly
67, 33.653, 257.734



Deuteranomaly
68, 38.934, 262.666



Tritanomaly
69, 37.974, 219.281

Monochromacy



Original Color
69, 40.898, 239.170



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 21.493, 226.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.898, 239.170 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(12, 182, 231)` looks like.

```
.text, #text, p{  
    color:rgb(12, 182, 231)  
}
```

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(12, 182, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 182, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.898, 239.170 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(12, 182, 231) }
```

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

```
.border{ border-color:rgb(12, 182, 231) }
```

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

Here you see how a box with a 4 pixel rgb(12, 182, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 182, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 182, 231);  
box-shadow:4px 4px 4px 4px rgb(12, 182,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.898, 239.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 182, 231) }
```

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

```
.background{ background-color: rgb(12, 182,  
231) }
```

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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