

Converting Colors

CIELCh(69, 41.020, 191.936)

Have a look what the booklet for
CIELCh(69, 41.020, 191.936)
contains.

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Color

CIELCh(69, 40.871, 191.600)

Conversions

Conversions Part 1

Format	Color
Hex	00BCB6
RGB	0, 188, 182
RGB Percent	0%, 74%, 71%
CMY	0.9998, 0.2627, 0.2863
CMYK	1.00, 0.00, 0.03, 0.26
HSL	178°, 100%, 37%
HSV	178°, 100%, 74%
XYZ	26.4272, 39.3444, 50.4580
YIQ	131.1040, -110.1220, -41.7220

Conversions

Conversions Part 2

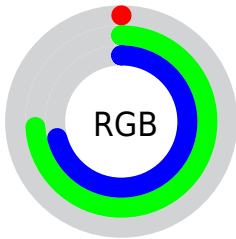
Format	Color
RYB	0, 96, 188
Decimal	48310
CIELab	69.00, -40.04, -8.22
CIELCh	69, 40.871, 191.600
Yxy	39.3444, 0.2274, 0.3385
Android (android.graphics.Color)	4278238390 (0xFF00BCB6)
YUV	131.1040, 25.0917, -114.9782
Hunter-Lab	62.7251, -34.5636, -3.7871

Details

The CIELCh color **69, 40.871, 191.600** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **39, 81.741, 38.734**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 40.882, 191.646**, and **50, 31.992, 190.961** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.872, 191.598**, and if you desaturate by 10%, it is **69, 40.078, 192.046**.

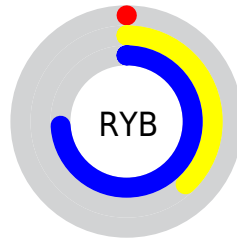
Distribution



Red (0%)

Green (74%)

Blue (71%)



Red (0%)

Yellow (38%)

Blue (74%)

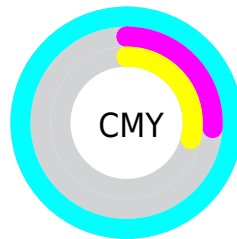


Cyan (100%)

Magenta (0%)

Yellow (3%)

Black (26%)



Cyan (100%)


Magenta (26%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 40.871, 191.600 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, 40.871, 191.600 by changing the saturation by 10% instead.

 69, 40.871,
191.600

 69, 40.871,
191.600

 100, 40.871,
191.600

 59, 40.871,
191.600


 89, 40.871,
191.600

 49, 40.871,
191.600

 99, 40.871,
191.600

 39, 40.871,
191.600

 29, 40.871,
191.600

 19, 40.871,
191.600

 9, 40.871, 191.600

 0, 40.871, 191.600

■ 69, 40.871,
191.600

■ 69, 40.871,
191.600

■ 69, 40.872,
191.598

■ 69, 40.078,
192.046

■ 69, 38.652,
192.491

■ 70, 36.404,
192.943

■ 70, 33.299,
193.412

■ 71, 29.356,
193.904

■ 72, 24.636,
194.426

■ 72, 19.230,
194.979

■ 74, 13.244,

195.567

■ 75, 6.791, 196.205

Harmonies

Complementary

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



69, 40.871, 191.600



39, 81.741, 38.734

Rectangle

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



69, 40.871, 191.600



69, 40.871, 241.600



69, 40.871, 11.600



69, 40.871, 61.600

Sweetspot

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



69, 40.871, 191.599



92, 23.805, 194.950



67, 95.068, 135.882



48, 15.974, 194.713



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, 40.871, 191.599



88, 49.854, 191.521



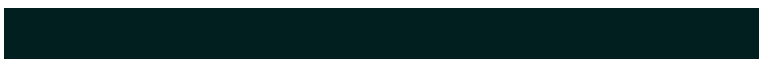
42, 53.735, 280.648



39, 3.876, 196.248



59, 35.943, 191.658



9, 11.819, 193.172

Inverse Universe

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



39, 81.741, 38.734



51, 100.134, 39.086



49, 68.799, 57.885



37, 4.096, 17.332



32, 71.570, 38.372



3, 12.263, 17.564

Previews

White Background



This preview shows how the CIE LCh color 69, 40.871, 191.600 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, 40.871, 191.600 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

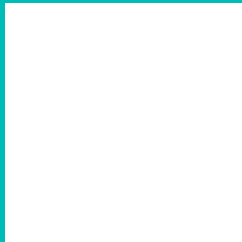
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 40.871, 191.600

Background



This preview shows how black text looks on a background with the CIELCh color 69, 40.871, 191.600.

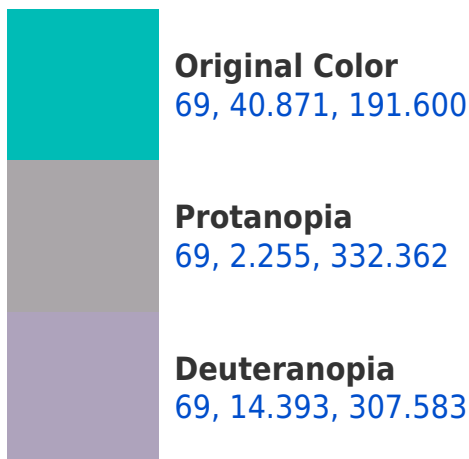


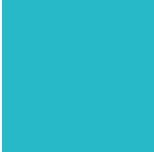
This preview shows how white text looks on a background with the CIELCh color 69, 40.871, 191.600.

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



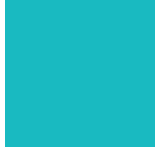
Original Color
69, 40.871, 191.600



Protanomaly
67, 21.957, 197.616



Deuteranomaly
67, 20.878, 219.881



Tritanomaly
69, 37.682, 202.519

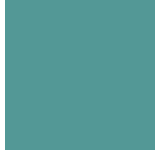
Monochromacy



Original Color
69, 40.871, 191.600



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 23.000, 194.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 40.871, 191.600 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, 188, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 188, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 40.871, 191.600 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, 188, 182) }
```

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

```
.border{ border-color:rgb(0, 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(0, 188, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 40.871, 191.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 182) }
```

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

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