

Converting Colors

CIELCh(68, 39.239, 196.393)

Have a look what the booklet for
CIELCh(68, 39.239, 196.393)
contains.

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Color

CIELCh(68, 39.155, 196.391)

Conversions

Conversions Part 1

Format	Color
Hex	04B8B8
RGB	4, 184, 184
RGB Percent	2%, 72%, 72%
CMY	0.9834, 0.2767, 0.2767
CMYK	0.98, 0.00, 0.00, 0.28
HSL	180°, 96%, 37%
HSV	180°, 98%, 72%
XYZ	25.9833, 37.9720, 51.5483
YIQ	130.1800, -107.2800, -38.1600

Conversions

Conversions Part 2

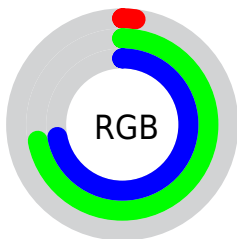
Format	Color
RYB	4, 94, 184
Decimal	309432
CIELab	68.00, -37.56, -11.05
CIELCh	68, 39.155, 196.391
Yxy	37.9720, 0.2250, 0.3288
Android (android.graphics.Color)	4278499512 (0xFF04B8B8)
YUV	130.1800, 26.5333, -110.6599
Hunter-Lab	61.6215, -32.5713, -6.4629

Details

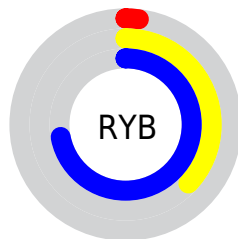
The CIELCh color **68, 39.155, 196.391** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **38, 80.627, 39.311**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 39.246, 196.140**, and **49, 30.246, 197.538** is the 20% darker color. If you saturate the color by 10%, you get **68, 39.292, 196.380**, and if you desaturate by 10%, it is **68, 38.398, 196.446**.

Distribution



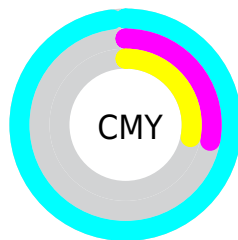
- Red (2%)
- Green (72%)
- Blue (72%)



- Red (2%)
- Yellow (37%)
- Blue (72%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)





- Cyan (98%)
- Magenta (28%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 39.155, 196.391 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 68, 39.155, 196.391 by changing the saturation by 10% instead.


 68, 39.155,
196.391


 68, 39.155,
196.391


 100, 39.155,
196.391


 58, 39.155,
196.391


 88, 39.155,
196.391

 48, 39.155,
196.391


 98, 39.155,
196.391

 38, 39.155,
196.391

 28, 39.155,
196.391

 18, 39.155,
196.391

 8, 39.155, 196.391

 0, 39.155, 196.391

■ 68, 39.155,
196.391

■ 68, 39.155,
196.391

■ 68, 39.292,
196.380

■ 68, 38.398,
196.446

■ 68, 36.940,
196.553

■ 69, 34.663,
196.721

■ 69, 31.541,
196.954

■ 70, 27.597,
197.253

■ 71, 22.892,
197.614

■ 72, 17.517,
198.037

■ 73, 11.574,

198.518

■ 74, 5.174, 199.084

Harmonies

Complementary

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



68, 39.155, 196.391



38, 80.627, 39.311

Rectangle

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



68, 39.155, 196.391



68, 39.155, 246.391



68, 39.155, 16.391



68, 39.155, 66.391

Sweetspot

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



68, 39.154, 196.390



90, 22.539, 197.957



65, 93.270, 136.040



47, 15.198, 197.776



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



68, 39.154, 196.390



86, 47.823, 196.380



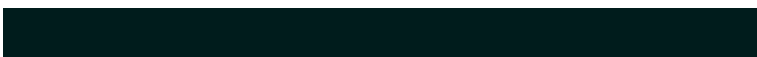
41, 53.486, 281.384



38, 3.777, 198.981



58, 34.645, 196.380



8, 10.518, 197.733

Inverse Universe

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



38, 80.627, 39.311



50, 99.788, 39.999



49, 66.144, 59.744



36, 4.004, 19.912



32, 71.869, 39.597



2, 10.638, 19.402

Previews

White Background



This preview shows how the CIELCh color 68, 39.155, 196.391 looks on a white background.

Color Contrast Check

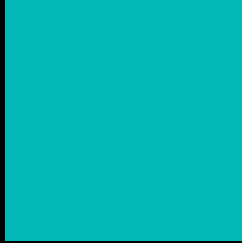
Large Text (above 18pt) WCAG AA × Fail

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 68, 39.155, 196.391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

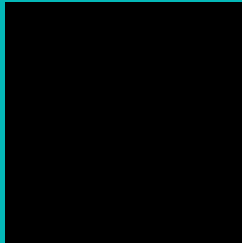
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

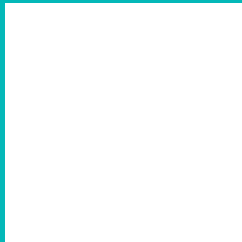
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 39.155, 196.391

Background



This preview shows how black text looks on a background with the CIELCh color 68, 39.155, 196.391.

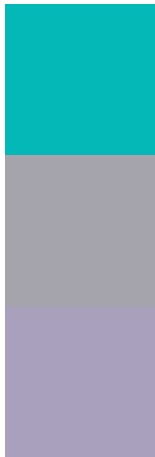


This preview shows how white text looks on a background with the CIELCh color 68, 39.155, 196.391.

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](#).

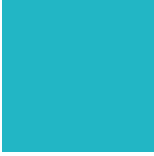
Dichromacy



Original Color
68, 39.090, 196.396

Protanopia
68, 4.438, 295.450

Deuteranopia
67, 16.947, 302.770



Tritanopia
68, 35.942, 210.259

Trichromacy



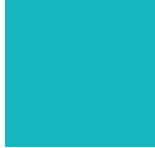
Original Color
68, 39.090, 196.396



Protanomaly
66, 21.165, 206.844



Deuteranomaly
66, 21.438, 227.716



Tritanomaly
68, 37.135, 204.392

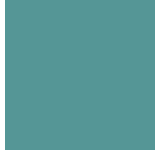
Monochromacy



Original Color
68, 39.090, 196.396



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 21.727, 197.432

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 39.155, 196.391 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(4, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(4, 184, 184)  
}
```

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(4, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 184, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 39.155, 196.391 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(4, 184, 184) }
```

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

```
.border{ border-color:rgb(4, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(4, 184,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 39.155, 196.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 184, 184) }
```

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

```
.background{ background-color: rgb(4, 184,  
184) }
```

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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