

Converting Colors

CIELCh(69, 37.239, 198.729)

Have a look what the booklet for
CIELCh(69, 37.239, 198.729)
contains.

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Color

CIELCh(69, 37.125, 199.162)

Conversions

Conversions Part 1

Format	Color
Hex	27BABD
RGB	39, 186, 189
RGB Percent	15%, 73%, 74%
CMY	0.8488, 0.2695, 0.2577
CMYK	0.80, 0.02, 0.00, 0.26
HSL	181°, 66%, 45%
HSV	181°, 80%, 74%
XYZ	27.6527, 39.3444, 54.4390
YIQ	142.3890, -88.5750, -30.2310

Conversions

Conversions Part 2

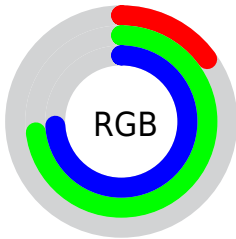
Format	Color
RYB	39, 113, 189
Decimal	2603709
CIELab	69.00, -35.07, -12.19
CIElCh	69, 37.125, 199.162
Yxy	39.3444, 0.2277, 0.3240
Android (android.graphics.Color)	4280793789 (0xFF27BABD)
YUV	142.3890, 22.9792, -90.6722
Hunter-Lab	62.7251, -31.0764, -7.5501

Details

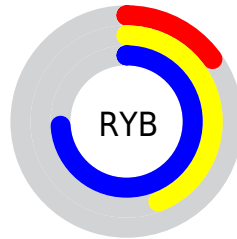
The CIELCh color **69, 37.125, 199.162** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **42, 69.234, 34.242**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 37.109, 198.700**, and **50, 30.185, 200.993** is the 20% darker color. If you saturate the color by 10%, you get **69, 38.352, 199.304**, and if you desaturate by 10%, it is **69, 35.071, 199.116**.

Distribution



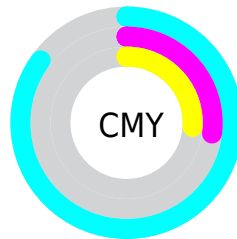
- Red (15%)
- Green (73%)
- Blue (74%)



- Red (15%)
- Yellow (44%)
- Blue (74%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (26%)





- Cyan (85%)
- Magenta (27%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 37.125, 199.162 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, 37.125, 199.162 by changing the saturation by 10% instead.


 69, 37.125,
199.162


 69, 37.125,
199.162


 100, 37.125,
199.162


 59, 37.125,
199.162


 89, 37.125,
199.162

 49, 37.125,
199.162

 99, 37.125,
199.162

 39, 37.125,
199.162

 29, 37.125,
199.162

 19, 37.125,
199.162

 9, 37.125, 199.162

 0, 37.125, 199.162

■ 69, 37.125,
199.162

■ 69, 37.125,
199.162

■ 69, 38.352,
199.304

■ 69, 35.071,
199.116

■ 68, 38.930,
199.531

■ 70, 32.155,
199.170

■ 68, 38.948,
199.540

■ 71, 28.394,
199.317

■ 72, 23.848,
199.551

■ 73, 18.605,
199.864

■ 74, 12.768,
200.250

■ 75, 6.447, 200.721

■ 77, 0.252, 19.006

Harmonies

Complementary

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



69, 37.125, 199.162



42, 69.234, 34.242

Rectangle

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



69, 37.125, 199.162



69, 37.125, 249.162



69, 37.125, 19.162



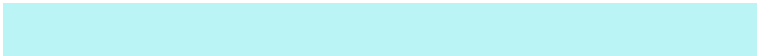
69, 37.125, 69.162

Sweetspot

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



69, 37.124, 199.161



92, 18.932, 200.058



67, 87.482, 137.484



49, 12.834, 199.924



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, 37.124, 199.161



87, 47.068, 199.485



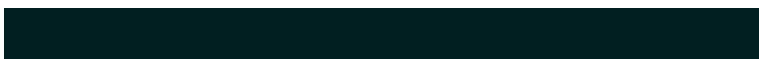
46, 47.552, 276.944



39, 3.786, 200.736



58, 34.104, 199.496



9, 11.351, 199.220

Inverse Universe

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



47, 84.769, 328.674



58, 109.677, 329.002



56, 56.776, 66.539



37, 6.974, 325.464



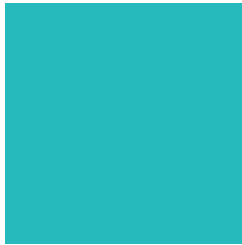
37, 79.616, 329.027



3, 21.078, 326.139

Previews

White Background



This preview shows how the CIE LCh color 69, 37.125, 199.162 looks on a white background.

Color Contrast Check

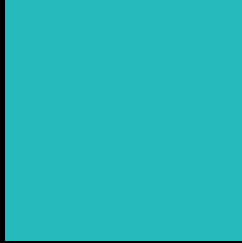
Large Text (above 18pt) WCAG AA × Fail

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, 37.125, 199.162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

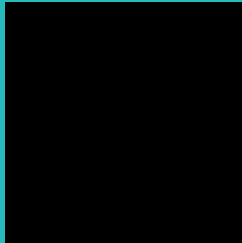
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

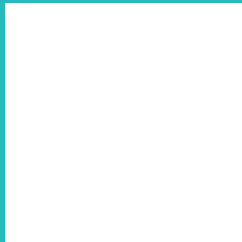
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 37.125, 199.162

Background



This preview shows how black text looks on a background with the CIELCh color 69, 37.125, 199.162.

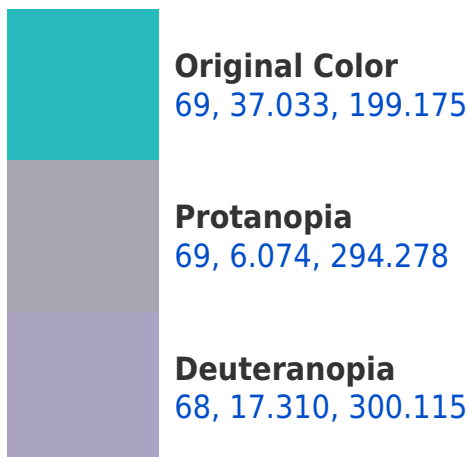


This preview shows how white text looks on a background with the CIELCh color 69, 37.125, 199.162.

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, 35.166, 210.596

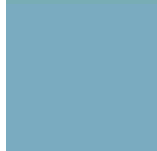
Trichromacy



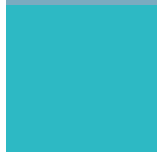
Original Color
69, 37.033, 199.175



Protanomaly
67, 18.161, 212.205



Deuteranomaly
67, 19.340, 235.457

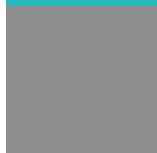


Tritanomaly
69, 35.599, 206.678

Monochromacy



Original Color
69, 37.033, 199.175



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 18.534, 199.543

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 37.125, 199.162 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(39, 186, 189)` looks like.

```
.text, #text, p{  
    color:rgb(39, 186, 189)  
}
```

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(39, 186, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 186, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 37.125, 199.162 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(39, 186, 189) }
```

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

```
.border{ border-color:rgb(39, 186, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 186, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 186, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 186, 189);  
box-shadow:4px 4px 4px 4px rgb(39, 186,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 37.125, 199.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 186, 189) }
```

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

```
.background{ background-color: rgb(39, 186,  
189) }
```

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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