

Converting Colors

CIELCh(69, 39.090, 196.430)

Have a look what the booklet for
CIELCh(69, 39.090, 196.430)
contains.

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Color

CIELCh(69, 39.063, 196.432)

Conversions

Conversions Part 1

Format	Color
Hex	13BBBB
RGB	19, 187, 187
RGB Percent	7%, 73%, 73%
CMY	0.9270, 0.2660, 0.2660
CMYK	0.90, 0.00, 0.00, 0.27
HSL	180°, 82%, 40%
HSV	180°, 90%, 73%
XYZ	27.0562, 39.3444, 53.2787
YIQ	136.7680, -100.1280, -35.6160

Conversions

Conversions Part 2

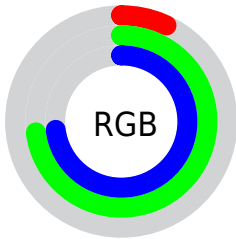
Format	Color
RYB	19, 103, 187
Decimal	1293243
CIELab	69.00, -37.47, -11.05
CIELCh	69, 39.063, 196.432
Yxy	39.3444, 0.2261, 0.3287
Android (android.graphics.Color)	4279483323 (0xFF13BBB)
YUV	136.7680, 24.7644, -103.2825
Hunter-Lab	62.7251, -32.7738, -6.4533

Details

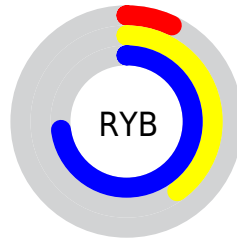
The CIELCh color **69, 39.063, 196.432** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **40, 77.212, 37.214**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 39.139, 196.169**, and **50, 30.752, 197.514** is the 20% darker color. If you saturate the color by 10%, you get **69, 39.724, 196.383**, and if you desaturate by 10%, it is **69, 37.778, 196.524**.

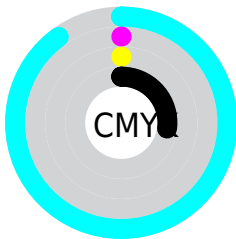
Distribution



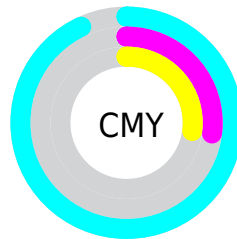
- Red (7%)
- Green (73%)
- Blue (73%)



- Red (7%)
- Yellow (40%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 39.063, 196.432 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, 39.063, 196.432 by changing the saturation by 10% instead.

 69, 39.063,
196.432

 69, 39.063,
196.432


 100, 39.063,
196.432


 59, 39.063,
196.432


 89, 39.063,
196.432

 49, 39.063,
196.432

 99, 39.063,
196.432

 39, 39.063,
196.432

 29, 39.063,
196.432

 19, 39.063,
196.432

 9, 39.063, 196.432

 0, 39.063, 196.432

■ 69, 39.063,
196.432

■ 69, 39.063,
196.432

■ 69, 39.724,
196.383

■ 69, 37.778,
196.524

■ 70, 35.680,
196.677

■ 70, 32.727,
196.894

■ 71, 28.932,
197.177

■ 71, 24.348,
197.524

■ 72, 19.061,
197.933

■ 73, 13.173,
198.400

■ 75, 6.796, 198.939

Harmonies

Complementary

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



69, 39.063, 196.432



40, 77.212, 37.214

Rectangle

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



69, 39.063, 196.432



69, 39.063, 246.432



69, 39.063, 16.432



69, 39.063, 66.432

Sweetspot

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



69, 39.062, 196.431



91, 21.326, 198.049



66, 92.216, 136.336



49, 14.300, 197.897



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, 39.062, 196.431



87, 48.207, 196.383



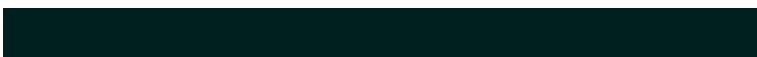
44, 50.003, 277.930



39, 3.863, 198.981



59, 35.060, 196.383



9, 11.663, 196.736

Inverse Universe

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



40, 77.212, 37.214



51, 100.590, 39.999



52, 63.130, 61.591



37, 4.096, 19.916



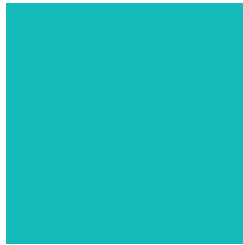
32, 72.802, 39.664



3, 12.251, 19.404

Previews

White Background



This preview shows how the CIELCh color 69, 39.063, 196.432 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, 39.063, 196.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

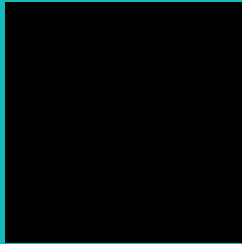
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

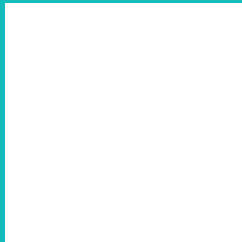
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 39.063, 196.432

Background



This preview shows how black text looks on a background with the CIELCh color 69, 39.063, 196.432.

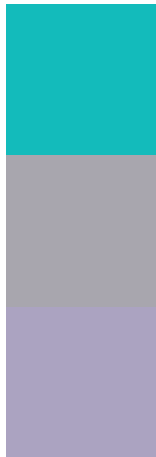


This preview shows how white text looks on a background with the CIELCh color 69, 39.063, 196.432.

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, 39.014, 196.435

Protanopia

68, 4.480, 300.188

Deuteranopia

69, 16.825, 301.557



Tritanopia
69, 36.121, 210.163

Trichromacy



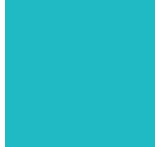
Original Color
69, 39.014, 196.435



Protanomaly
67, 20.055, 205.799



Deuteranomaly
67, 20.489, 229.194



Tritanomaly
69, 37.119, 204.402

Monochromacy



Original Color
69, 39.014, 196.435



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 20.632, 197.575

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 39.063, 196.432 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(19, 187, 187)` looks like.

```
.text, #text, p{  
    color:rgb(19, 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(19, 187, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 187, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 39.063, 196.432 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(19, 187, 187) }
```

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

```
.border{ border-color:rgb(19, 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(19, 187, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 187, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 187, 187);  
box-shadow:4px 4px 4px 4px rgb(19, 187,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 39.063, 196.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 187, 187) }
```

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

```
.background{ background-color: rgb(19, 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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