

Converting Colors

CIELCh(69, 33.439, 190.985)

Have a look what the booklet for
CIELCh(69, 33.439, 190.985)
contains.

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Color

CIELCh(69, 33.465, 191.078)

Conversions

Conversions Part 1

Format	Color
Hex	49B9B3
RGB	73, 185, 179
RGB Percent	29%, 73%, 70%
CMY	0.7139, 0.2747, 0.2982
CMYK	0.61, 0.00, 0.03, 0.27
HSL	177°, 44%, 51%
HSV	177°, 61%, 73%
XYZ	28.2140, 39.3444, 48.7293
YIQ	150.8280, -64.8260, -25.6100

Conversions

Conversions Part 2

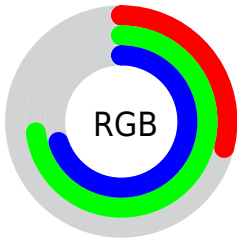
Format	Color
RYB	73, 131, 185
Decimal	4831667
CIELab	69.00, -32.84, -6.43
CIElCh	69, 33.465, 191.078
Yxy	39.3444, 0.2426, 0.3383
Android (android.graphics.Color)	4283021747 (0xFF49B9B3)
YUV	150.8280, 13.8888, -68.2552
Hunter-Lab	62.7251, -29.4791, -2.1531

Details

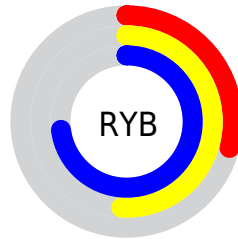
The CIELCh color **69, 33.465, 191.078** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **46, 49.978, 23.750**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 33.647, 190.964**, and **49, 31.493, 190.853** is the 20% darker color. If you saturate the color by 10%, you get **69, 36.591, 190.453**, and if you desaturate by 10%, it is **70, 29.517, 191.698**.

Distribution



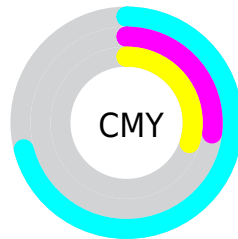
- Red (29%)
- Green (73%)
- Blue (70%)



- Red (29%)
- Yellow (51%)
- Blue (73%)



- Cyan (61%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)





- Cyan (71%)
- Magenta (27%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 33.465, 191.078 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, 33.465, 191.078 by changing the saturation by 10% instead.


 69, 33.465,
191.078


 69, 33.465,
191.078


 100, 33.465,
191.078


 59, 33.465,
191.078


 89, 33.465,
191.078

 49, 33.465,
191.078

 99, 33.465,
191.078

 39, 33.465,
191.078

 29, 33.465,
191.078

 19, 33.465,
191.078

 9, 33.465, 191.078

 0, 33.465, 191.078

69, 33.465,
191.078

69, 33.465,
191.078

69, 36.591,
190.453

70, 29.517,
191.698

68, 38.876,
189.816

70, 24.810,
192.325

68, 40.353,
189.153

71, 19.434,
192.966

68, 41.189,
188.501

72, 13.497,
193.625

74, 7.111, 194.319

75, 0.381, 196.264

77, 6.594, 15.518

78, 13.730, 16.243

80, 20.960, 16.941

Harmonies

Complementary

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



69, 33.465, 191.078



46, 49.978, 23.750

Rectangle

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



69, 33.465, 191.078



69, 33.465, 241.078



69, 33.465, 11.078



69, 33.465, 61.078

Sweetspot

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



69, 33.465, 191.076



92, 14.682, 193.777



67, 70.081, 138.047



48, 10.114, 193.582



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 33.465, 191.076



86, 45.572, 190.224



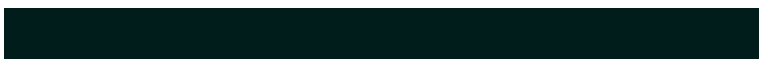
55, 32.033, 259.963



38, 3.803, 194.410



58, 36.218, 188.600



8, 10.692, 191.695

Inverse Universe

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



46, 49.978, 23.750



55, 75.187, 28.151



57, 41.458, 61.394



36, 4.008, 15.577



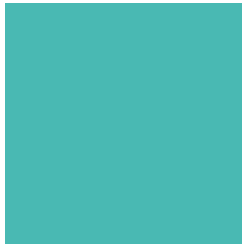
32, 69.862, 37.411



2, 10.663, 16.147

Previews

White Background



This preview shows how the CIE LCh color 69, 33.465, 191.078 looks on a white background.

Color Contrast Check

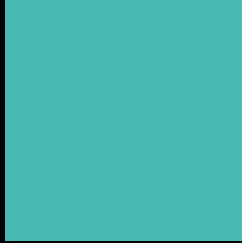
Large Text (above 18pt) WCAG AA × Fail

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, 33.465, 191.078 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

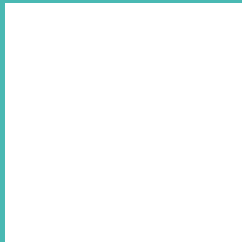
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 33.465, 191.078

Background



This preview shows how black text looks on a background with the CIELCh color 69, 33.465, 191.078.

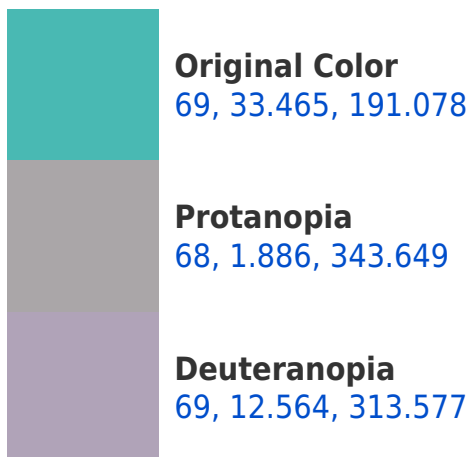


This preview shows how white text looks on a background with the CIELCh color 69, 33.465, 191.078.

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, 29.812, 213.502

Trichromacy



Original Color
69, 33.465, 191.078



Protanomaly
68, 13.519, 195.955



Deuteranomaly
68, 12.504, 227.760



Tritanomaly
69, 30.644, 204.374

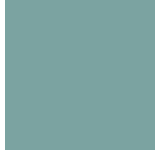
Monochromacy



Original Color
69, 33.465, 191.078



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 14.360, 193.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 33.465, 191.078 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(73, 185, 179)` looks like.

```
.text, #text, p{  
    color:rgb(73, 185, 179)  
}
```

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(73, 185, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 185, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 33.465, 191.078 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(73, 185, 179) }
```

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

```
.border{ border-color:rgb(73, 185, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 185, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 185, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 185, 179);  
box-shadow:4px 4px 4px 4px rgb(73, 185,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 33.465, 191.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 185, 179) }
```

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

```
.background{ background-color: rgb(73, 185,  
179) }
```

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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