

Converting Colors

CIELCh(69, 36.790, 176.662)

Have a look what the booklet for
CIELCh(69, 36.790, 176.662)
contains.

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Color

CIELCh(69, 36.824, 176.344)

Conversions

Conversions Part 1

Format	Color
Hex	4DBAA3
RGB	77, 186, 163
RGB Percent	30%, 73%, 64%
CMY	0.6980, 0.2705, 0.3607
CMYK	0.59, 0.00, 0.12, 0.27
HSL	167°, 44%, 52%
HSV	167°, 59%, 73%
XYZ	27.2339, 39.3444, 40.8130
YIQ	150.7870, -57.5810, -30.2610

Conversions

Conversions Part 2

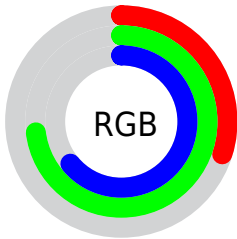
Format	Color
RYB	77, 138, 186
Decimal	5094051
CIELab	69.00, -36.75, 2.35
CIELCh	69, 36.824, 176.344
Yxy	39.3444, 0.2536, 0.3664
Android (android.graphics.Color)	4283284131 (0xFF4DBAA3)
YUV	150.7870, 6.0210, -64.7112
Hunter-Lab	62.7251, -32.2681, 5.3297

Details

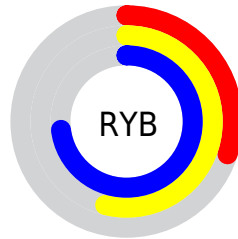
The CIELCh color **69, 36.824, 176.344** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **48, 46.983, 11.352**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 36.840, 176.227**, and **49, 36.023, 175.688** is the 20% darker color. If you saturate the color by 10%, you get **68, 41.141, 174.984**, and if you desaturate by 10%, it is **70, 31.766, 177.578**.

Distribution



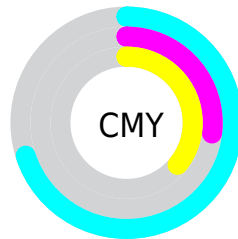
- Red (30%)
- Green (73%)
- Blue (64%)



- Red (30%)
- Yellow (54%)
- Blue (73%)



- Cyan (59%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)





- Cyan (70%)
- Magenta (27%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 36.824, 176.344 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, 36.824, 176.344 by changing the saturation by 10% instead.


 69, 36.824,
176.344


 69, 36.824,
176.344


 100, 36.824,
176.344


 59, 36.824,
176.344


 89, 36.824,
176.344

 49, 36.824,
176.344

 99, 36.824,
176.344

 39, 36.824,
176.344

 29, 36.824,
176.344

 19, 36.824,
176.344

 9, 36.824, 176.344

 0, 36.824, 176.344

69, 36.824,
176.344

69, 36.824,
176.344

68, 41.141,
174.984

70, 31.766,
177.578

68, 44.665,
173.477

71, 26.055,
178.712

68, 47.401,
171.805

72, 19.804,
179.766

67, 49.476,
169.984

73, 13.132,
180.759

67, 49.753,
169.732

74, 6.156, 181.728

76, 1.020, 2.061

77, 8.307, 3.319

79, 15.630, 4.158

81, 22.934, 4.951

Harmonies

Complementary

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



69, 36.824, 176.344



48, 46.983, 11.352

Rectangle

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



69, 36.824, 176.344



69, 36.824, 226.344



69, 36.824, 356.344



69, 36.824, 46.344

Sweetspot

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



69, 36.824, 176.343



92, 15.762, 180.788



68, 65.693, 134.953



49, 10.986, 180.502



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, 36.824, 176.343



87, 51.354, 174.613



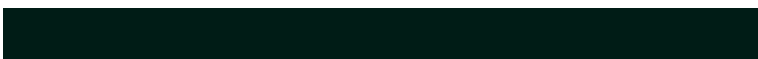
60, 27.627, 237.374



38, 4.011, 181.655



57, 43.435, 170.015



8, 11.694, 175.621

Inverse Universe

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



48, 46.983, 11.352



57, 68.774, 15.250



54, 41.502, 47.408



36, 4.156, 3.213



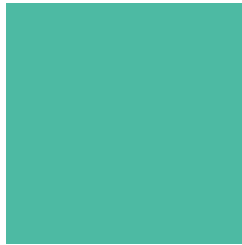
32, 63.365, 27.806



2, 10.934, 6.795

Previews

White Background



This preview shows how the CIELCh color 69, 36.824, 176.344 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, 36.824, 176.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

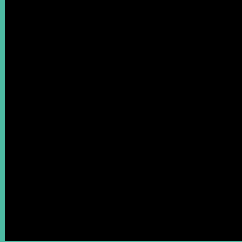
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

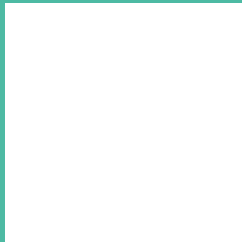
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 36.824, 176.344

Background



This preview shows how black text looks on a background with the CIELCh color 69, 36.824, 176.344.

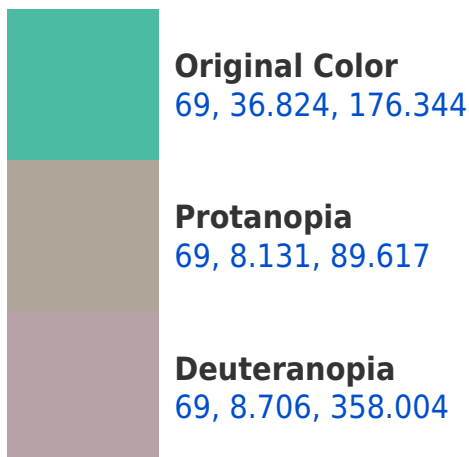


This preview shows how white text looks on a background with the CIELCh color 69, 36.824, 176.344.

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, 28.065, 214.670

Trichromacy



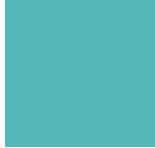
Original Color
69, 36.824, 176.344



Protanomaly
68, 16.148, 162.683



Deuteranomaly
68, 10.327, 183.049



Tritanomaly
69, 29.709, 198.162

Monochromacy



Original Color
69, 36.824, 176.344



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 15.512, 179.138

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 36.824, 176.344 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(77, 186, 163)` looks like.

```
.text, #text, p{  
    color:rgb(77, 186, 163)  
}
```

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(77, 186, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 186, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 36.824, 176.344 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(77, 186, 163) }
```

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

```
.border{ border-color:rgb(77, 186, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 186, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 186, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 186, 163);  
box-shadow:4px 4px 4px 4px rgb(77, 186,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 36.824, 176.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 186, 163) }
```

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

```
.background{ background-color: rgb(77, 186,  
163) }
```

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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