

Converting Colors

CIELCh(69, 36.653, 178.072)

Have a look what the booklet for
CIELCh(69, 36.653, 178.072)
contains.

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Color

CIELCh(69, 36.653, 178.073)

Conversions

Conversions Part 1

Format	Color
Hex	4BBAA5
RGB	75, 186, 165
RGB Percent	29%, 73%, 65%
CMY	0.7057, 0.2705, 0.3528
CMYK	0.60, 0.00, 0.11, 0.27
HSL	169°, 45%, 51%
HSV	169°, 60%, 73%
XYZ	27.2628, 39.3444, 41.7676
YIQ	150.4170, -59.4150, -30.0630

Conversions

Conversions Part 2

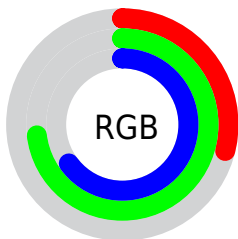
Format	Color
RYB	75, 136, 186
Decimal	4962981
CIELab	69.00, -36.63, 1.23
CIELCh	69, 36.653, 178.073
Yxy	39.3444, 0.2516, 0.3630
Android (android.graphics.Color)	4283153061 (0xFF4BBAA5)
YUV	150.4170, 7.1894, -66.1407
Hunter-Lab	62.7251, -32.1857, 4.4274

Details

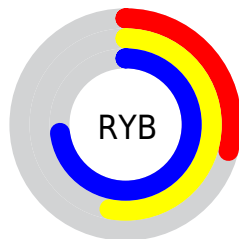
The CIELCh color **69, 36.653, 178.073** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **47, 47.906, 13.325**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 36.810, 177.929**, and **49, 35.380, 177.381** is the 20% darker color. If you saturate the color by 10%, you get **68, 40.726, 176.766**, and if you desaturate by 10%, it is **70, 31.820, 179.262**.

Distribution



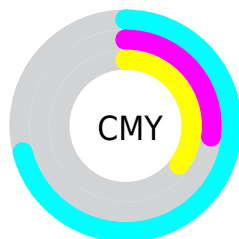
- Red (29%)
- Green (73%)
- Blue (65%)



- Red (29%)
- Yellow (53%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (11%)
- Black (27%)





- Cyan (71%)
- Magenta (27%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 36.653, 178.073 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, 36.653, 178.073 by changing the saturation by 10% instead.


 69, 36.653,
178.073


 69, 36.653,
178.073


 100, 36.653,
178.073


 59, 36.653,
178.073


 89, 36.653,
178.073

 49, 36.653,
178.073

 99, 36.653,
178.073

 39, 36.653,
178.073

 29, 36.653,
178.073

 19, 36.653,
178.073

 9, 36.653, 178.073

 0, 36.653, 178.073

69, 36.653,
178.073

69, 36.653,
178.073

68, 40.726,
176.766

70, 31.820,
179.262

68, 43.995,
175.324

71, 26.311,
180.360

68, 46.474,
173.724

72, 20.234,
181.385

68, 48.332,
171.998

73, 13.707,
182.356

68, 48.392,
171.942

74, 6.846, 183.303

76, 0.243, 2.103

77, 7.467, 4.876

79, 14.750, 5.717

81, 22.033, 6.510

Harmonies

Complementary

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



69, 36.653, 178.073



47, 47.906, 13.325

Rectangle

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



69, 36.653, 178.073



69, 36.653, 228.073



69, 36.653, 358.073



69, 36.653, 48.073

Sweetspot

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



69, 36.653, 178.072



92, 15.587, 182.486



68, 67.066, 135.289



49, 10.859, 182.207



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, 36.653, 178.072



87, 51.167, 176.275



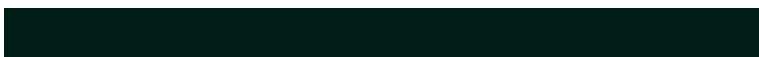
60, 28.196, 240.286



38, 3.971, 183.335



57, 42.260, 172.209



8, 11.517, 177.623

Inverse Universe

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



47, 47.906, 13.325



56, 70.865, 17.721



54, 42.138, 48.892



36, 4.124, 4.865



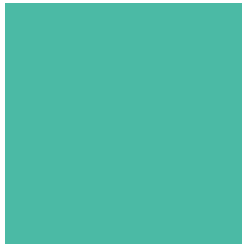
32, 64.250, 29.466



2, 10.879, 8.059

Previews

White Background



This preview shows how the CIELCh color 69, 36.653, 178.073 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, 36.653, 178.073 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

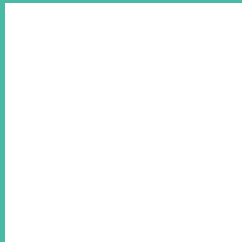
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 36.653, 178.073

Background



This preview shows how black text looks on a background with the CIELCh color 69, 36.653, 178.073.

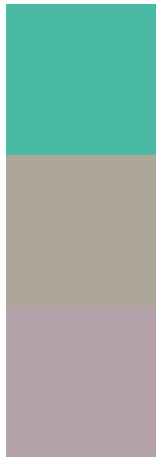


This preview shows how white text looks on a background with the CIELCh color 69, 36.653, 178.073.

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](#).

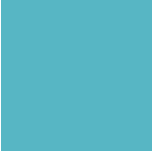
Dichromacy



Original Color
69, 36.653, 178.073

Protanopia
69, 7.483, 91.142

Deuteranopia
69, 8.818, 350.364



Tritanopia
69, 28.636, 213.090

Trichromacy



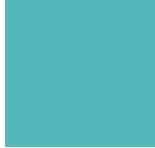
Original Color
69, 36.653, 178.073



Protanomaly
68, 16.396, 165.543



Deuteranomaly
68, 10.361, 189.348



Tritanomaly
69, 30.026, 199.196

Monochromacy



Original Color
69, 36.653, 178.073



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 15.305, 181.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 36.653, 178.073 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(75, 186, 165)` looks like.

```
.text, #text, p{  
    color:rgb(75, 186, 165)  
}
```

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(75, 186, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 186, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 36.653, 178.073 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(75, 186, 165) }
```

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

```
.border{ border-color:rgb(75, 186, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 186, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 186, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 186, 165);  
box-shadow:4px 4px 4px 4px rgb(75, 186,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 36.653, 178.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 186, 165) }
```

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

```
.background{ background-color: rgb(75, 186,  
165) }
```

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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