

Converting Colors

CIELCh(70, 28.684, 179.980)

Have a look what the booklet for
CIELCh(70, 28.684, 179.980)
contains.

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Color

CIELCh(70, 28.449, 180.255)

Conversions

Conversions Part 1

Format	Color
Hex	68B9AA
RGB	104, 185, 170
RGB Percent	41%, 73%, 67%
CMY	0.5906, 0.2729, 0.3318
CMYK	0.44, 0.00, 0.08, 0.27
HSL	169°, 37%, 57%
HSV	169°, 44%, 73%
XYZ	30.4807, 40.7494, 44.4829
YIQ	159.0710, -43.4610, -21.8370

Conversions

Conversions Part 2

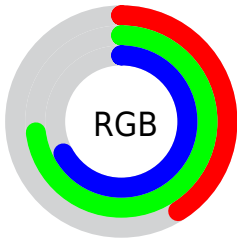
Format	Color
RYB	104, 149, 185
Decimal	6863274
CIELab	70.00, -28.45, -0.13
CIELCh	70, 28.449, 180.255
Yxy	40.7494, 0.2634, 0.3522
Android (android.graphics.Color)	4285053354 (0xFF68B9AA)
YUV	159.0710, 5.3880, -48.2973
Hunter-Lab	63.8353, -26.4799, 3.3691

Details

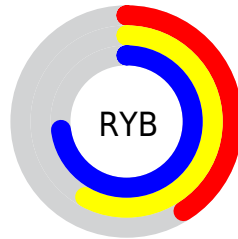
The CIELCh color **70, 28.449, 180.255** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **54, 34.579, 9.933**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 28.376, 180.413**, and **50, 28.213, 180.770** is the 20% darker color. If you saturate the color by 10%, you get **69, 33.660, 179.131**, and if you desaturate by 10%, it is **71, 22.625, 181.297**.

Distribution



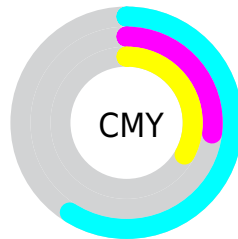
- Red (41%)
- Green (73%)
- Blue (67%)



- Red (41%)
- Yellow (58%)
- Blue (73%)



- Cyan (44%)
- Magenta (0%)
- Yellow (8%)
- Black (27%)





- Cyan (59%)
- Magenta (27%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 28.449, 180.255 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 70, 28.449, 180.255 by changing the saturation by 10% instead.


 70, 28.449,
180.255

 70, 28.449,
180.255


 100, 28.449,
180.255


 60, 28.449,
180.255


 90, 28.449,
180.255

 50, 28.449,
180.255

 40, 28.449,
180.255

 30, 28.449,
180.255

 20, 28.449,
180.255

 10, 28.449,
180.255

 0, 28.449, 180.255

70, 28.449,
180.255

70, 28.449,
180.255

69, 33.660,
179.131

71, 22.625,
181.297

69, 38.156,
177.909

72, 16.301,
182.281

68, 41.870,
176.566

73, 9.595, 183.226

75, 2.619, 184.244

68, 44.779,
175.079

76, 4.531, 4.799

67, 46.924,
173.433

78, 11.771, 5.683

67, 48.030,
172.353

80, 19.035, 6.490

82, 26.271, 7.264

82, 27.437, 4.110

Harmonies

Complementary

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



70, 28.449, 180.255



54, 34.579, 9.933

Rectangle

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



70, 28.449, 180.255



70, 28.449, 230.255



70, 28.449, 0.255



70, 28.449, 50.255

Sweetspot

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



70, 28.450, 180.253



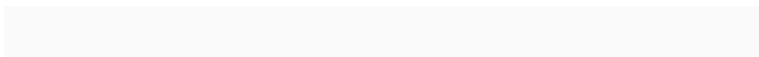
93, 11.332, 183.270



69, 50.168, 136.352



50, 7.965, 183.062



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 28.450, 180.253



88, 40.650, 179.226



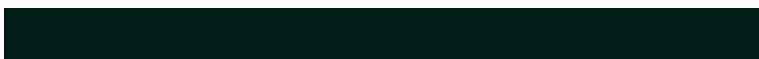
63, 21.977, 236.685



38, 3.965, 183.639



57, 42.055, 172.613



8, 11.486, 177.991

Inverse Universe

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



54, 34.579, 9.933



64, 51.643, 11.885



59, 28.995, 49.247



36, 4.119, 5.163



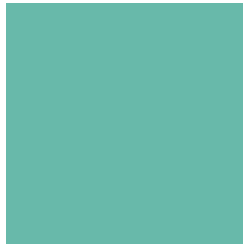
32, 64.412, 29.753



2, 10.870, 8.287

Previews

White Background



This preview shows how the CIELCh color 70, 28.449, 180.255 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 70, 28.449, 180.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

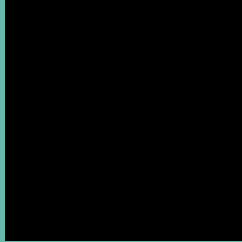
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 28.449, 180.255

Background



This preview shows how black text looks on a background with the CIELCh color 70, 28.449, 180.255.

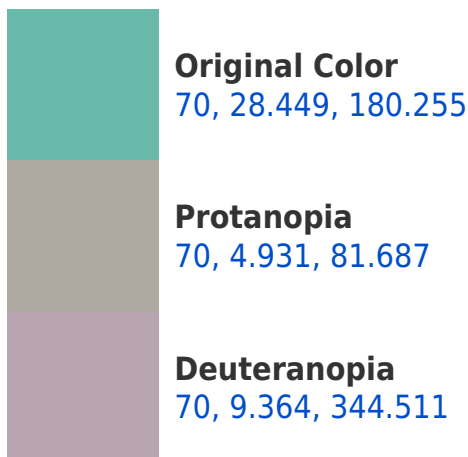


This preview shows how white text looks on a background with the CIELCh color 70, 28.449, 180.255.

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



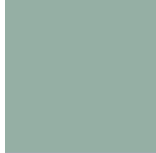


Tritanopia
70, 23.099, 217.359

Trichromacy



Original Color
70, 28.449, 180.255



Protanomaly
69, 11.469, 166.726



Deuteranomaly
69, 5.882, 204.364

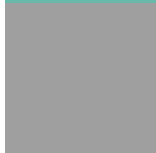


Tritanomaly
70, 23.842, 202.892

Monochromacy



Original Color
70, 28.449, 180.255



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 11.546, 181.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 28.449, 180.255 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(104, 185, 170)` looks like.

```
.text, #text, p{  
    color:rgb(104, 185, 170)  
}
```

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(104, 185, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 185, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 28.449, 180.255 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(104, 185, 170) }
```

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

```
.border{ border-color:rgb(104, 185, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 185, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 185, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 185, 170);  
box-shadow:4px 4px 4px 4px rgb(104, 185,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 28.449, 180.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 185, 170) }
```

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

```
.background{ background-color: rgb(104,  
185, 170) }
```

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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