

Converting Colors

CIELCh(70, 26.981, 197.377)

Have a look what the booklet for
CIELCh(70, 26.981, 197.377)
contains.

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Color

CIELCh(70, 27.129, 197.297)

Conversions

Conversions Part 1

Format	Color
Hex	63B9B9
RGB	99, 185, 185
RGB Percent	39%, 73%, 73%
CMY	0.6125, 0.2753, 0.2753
CMYK	0.47, 0.00, 0.00, 0.28
HSL	180°, 38%, 56%
HSV	180°, 47%, 72%
XYZ	31.1661, 40.7494, 52.0112
YIQ	159.2860, -51.2560, -18.2320

Conversions

Conversions Part 2

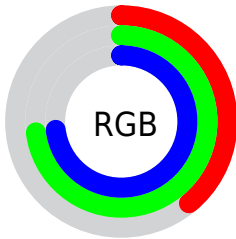
Format	Color
RYB	99, 142, 185
Decimal	6535609
CIELab	70.00, -25.90, -8.07
CIElCh	70, 27.129, 197.297
Yxy	40.7494, 0.2515, 0.3288
Android (android.graphics.Color)	4284725689 (0xFF63B9B9)
YUV	159.2860, 12.6770, -52.8708
Hunter-Lab	63.8353, -24.5631, -3.6232

Details

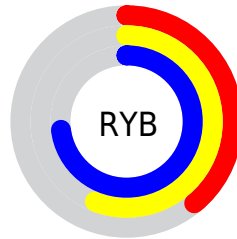
The CIELCh color **70, 27.129, 197.297** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **52, 37.857, 24.369**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 27.095, 197.675**, and **50, 27.290, 196.710** is the 20% darker color. If you saturate the color by 10%, you get **69, 31.171, 196.989**, and if you desaturate by 10%, it is **71, 22.335, 197.664**.

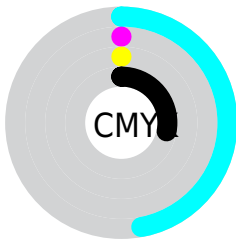
Distribution



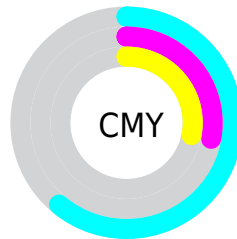
- Red (39%)
- Green (73%)
- Blue (73%)



- Red (39%)
- Yellow (56%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)





- Cyan (61%)
- Magenta (28%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 27.129, 197.297 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, 27.129, 197.297 by changing the saturation by 10% instead.


 70, 27.129,
197.297

 70, 27.129,
197.297


 100, 27.129,
197.297


 60, 27.129,
197.297


 90, 27.129,
197.297

 50, 27.129,
197.297

 40, 27.129,
197.297

 30, 27.129,
197.297

 20, 27.129,
197.297

 10, 27.129,
197.297

 0, 27.129, 197.297

70, 27.129,
197.297

70, 27.129,
197.297

69, 31.171,
196.989

71, 22.335,
197.664

69, 34.395,
196.749

72, 16.879,
198.093

68, 36.772,
196.573

73, 10.869,
198.581

68, 38.324,
196.460

74, 4.412, 199.167

68, 39.140,
196.400

76, 2.389, 19.381

68, 39.348,
196.385

77, 9.438, 20.122

79, 16.657, 20.745

81, 23.978, 21.367

81, 27.308, 21.649

Harmonies

Complementary

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



70, 27.129, 197.297



52, 37.857, 24.369

Rectangle

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



70, 27.129, 197.297



70, 27.129, 247.297



70, 27.129, 17.297



70, 27.129, 67.297

Sweetspot

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



70, 27.129, 197.295



92, 11.442, 198.704



68, 56.124, 140.432



49, 7.846, 198.590



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 27.129, 197.295



88, 38.053, 196.979



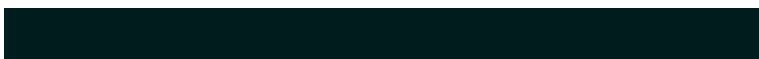
58, 26.671, 261.959



38, 3.777, 198.984



58, 34.644, 196.385



8, 10.518, 197.737

Inverse Universe

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



52, 37.857, 24.369



61, 57.855, 26.585



62, 30.929, 67.969



36, 4.004, 19.914



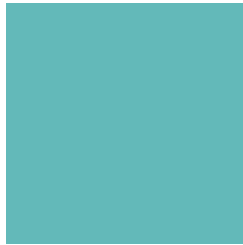
32, 71.870, 39.598



2, 10.638, 19.404

Previews

White Background



This preview shows how the CIELCh color 70, 27.129, 197.297 looks on a white background.

Color Contrast Check

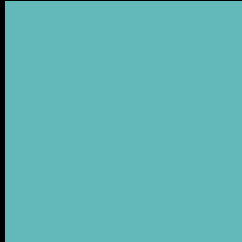
Large Text (above 18pt) WCAG AA × Fail

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, 27.129, 197.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

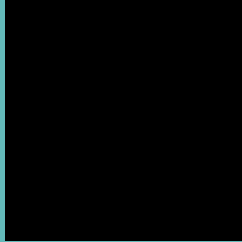
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

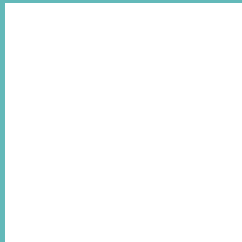
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 27.129, 197.297

Background



This preview shows how black text looks on a background with the CIELCh color 70, 27.129, 197.297.

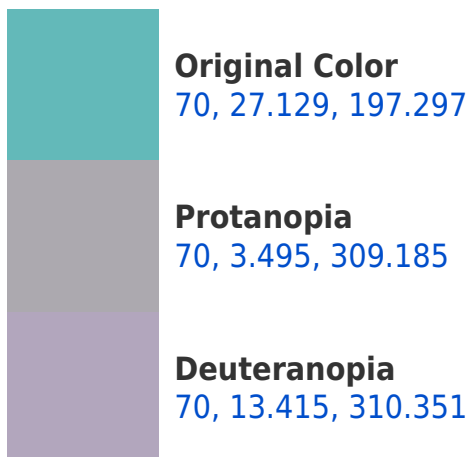


This preview shows how white text looks on a background with the CIELCh color 70, 27.129, 197.297.

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, 25.532, 216.582

Trichromacy



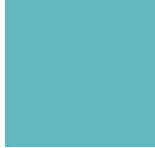
Original Color
70, 27.129, 197.297



Protanomaly
69, 10.812, 210.360



Deuteranomaly
69, 11.206, 242.375



Tritanomaly
70, 25.976, 208.525

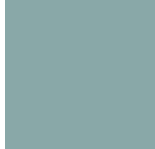
Monochromacy



Original Color
70, 27.129, 197.297



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 11.161, 198.490

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 27.129, 197.297 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(99, 185, 185)` looks like.

```
.text, #text, p{  
    color:rgb(99, 185, 185)  
}
```

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(99, 185, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 185, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 27.129, 197.297 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(99, 185, 185) }
```

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

```
.border{ border-color:rgb(99, 185, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 185, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 185, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 185, 185);  
box-shadow:4px 4px 4px 4px rgb(99, 185,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 27.129, 197.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 185, 185) }
```

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

```
.background{ background-color: rgb(99, 185,  
185) }
```

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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