

Converting Colors

CIELCh(71, 27.287, 207.129)

Have a look what the booklet for
CIELCh(71, 27.287, 207.129)
contains.

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Color

CIELCh(71, 27.147, 207.950)

Conversions

Conversions Part 1

Format	Color
Hex	63BBC4
RGB	99, 187, 196
RGB Percent	39%, 73%, 77%
CMY	0.6117, 0.2666, 0.2313
CMYK	0.49, 0.05, 0.00, 0.23
HSL	186°, 45%, 58%
HSV	186°, 49%, 77%
XYZ	32.8868, 42.1875, 58.6440
YIQ	161.7140, -55.3370, -15.8570

Conversions

Conversions Part 2

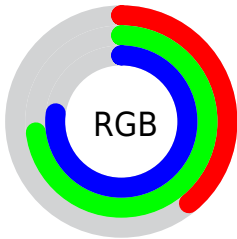
Format	Color
RYB	99, 145, 196
Decimal	6536132
CIELab	71.00, -23.98, -12.72
CIELCh	71, 27.147, 207.950
Yxy	42.1875, 0.2459, 0.3155
Android (android.graphics.Color)	4284726212 (0xFF63BBC4)
YUV	161.7140, 16.9030, -55.0002
Hunter-Lab	64.9519, -23.2866, -8.0656

Details

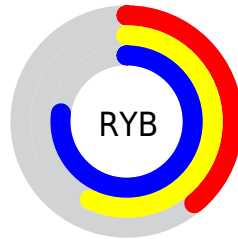
The CIELCh color **71, 27.147, 207.950** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 39.655, 31.206**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 27.067, 208.920**, and **51, 27.237, 206.834** is the 20% darker color. If you saturate the color by 10%, you get **70, 30.726, 208.400**, and if you desaturate by 10%, it is **72, 22.797, 207.685**.

Distribution



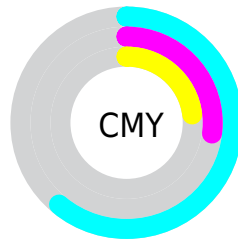
- Red (39%)
- Green (73%)
- Blue (77%)



- Red (39%)
- Yellow (57%)
- Blue (77%)



- Cyan (49%)
- Magenta (5%)
- Yellow (0%)
- Black (23%)





- Cyan (61%)
- Magenta (27%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 27.147, 207.950 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 71, 27.147, 207.950 by changing the saturation by 10% instead.


 71, 27.147,
207.950


 71, 27.147,
207.950


 100, 27.147,
207.950


 61, 27.147,
207.950


 91, 27.147,
207.950

 51, 27.147,
207.950

 41, 27.147,
207.950

 31, 27.147,
207.950

 21, 27.147,
207.950

 11, 27.147,
207.950

 1, 27.147, 207.950

■ 0, 27.147, 207.950

■ 71, 27.147,
207.950

■ 71, 27.147,
207.950

■ 70, 30.726,
208.400

■ 72, 22.797,
207.685

■ 69, 33.469,
209.077

■ 74, 17.770,
207.582

■ 68, 35.352,
210.012

■ 76, 12.168,
207.614

■ 67, 36.405,
211.240

■ 77, 6.098, 207.780

■ 66, 36.800,
212.744

■ 79, 0.340, 26.278

■ 66, 36.816,
212.823

■ 81, 7.057, 28.079

■ 83, 13.977, 28.430

■ 86, 20.710, 28.891

■ 86, 20.198, 31.716

Harmonies

Complementary

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



71, 27.147, 207.950



55, 39.655, 31.206

Rectangle

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



71, 27.147, 207.950



71, 27.147, 257.950



71, 27.147, 27.950



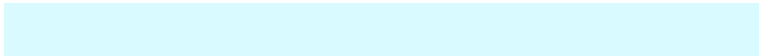
71, 27.147, 77.950

Sweetspot

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



71, 27.147, 207.948



96, 11.751, 207.666



72, 59.250, 142.629



51, 7.965, 207.637



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 27.147, 207.948



89, 37.623, 208.425



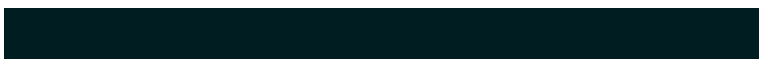
57, 33.739, 273.170



40, 3.613, 207.783



55, 31.802, 212.556



9, 11.240, 208.787

Inverse Universe

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



56, 58.531, 329.887



68, 83.884, 330.447



67, 36.113, 77.280



38, 6.781, 327.564



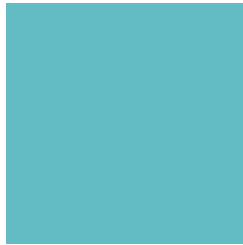
37, 76.122, 332.260



4, 22.208, 329.669

Previews

White Background



This preview shows how the CIELCh color 71, 27.147, 207.950 looks on a white background.

Color Contrast Check

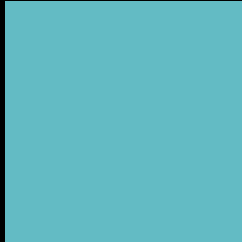
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 71, 27.147, 207.950 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 71, 27.147, 207.950

Background



This preview shows how black text looks on a background with the CIELCh color 71, 27.147, 207.950.

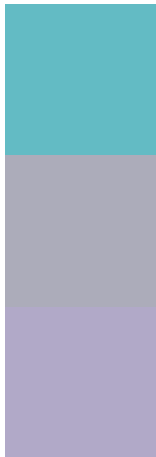


This preview shows how white text looks on a background with the CIELCh color 71, 27.147, 207.950.

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

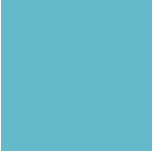
71, 27.147, 207.950

Protanopia

71, 7.657, 290.941

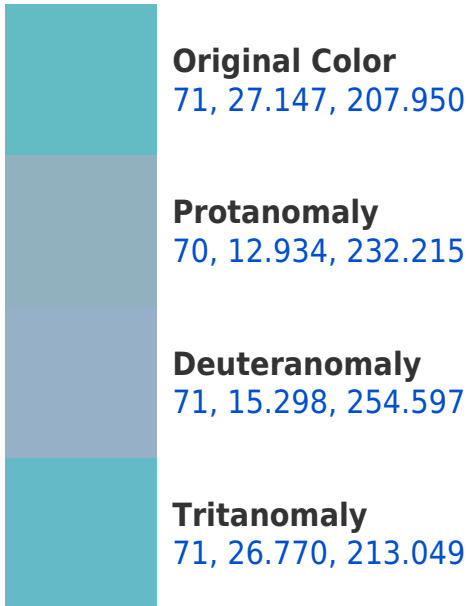
Deuteranopia

71, 17.254, 301.246



Tritanopia
71, 26.662, 215.636

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 27.147, 207.950 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, 187, 196)` looks like.

```
.text, #text, p{  
    color:rgb(99, 187, 196)  
}
```

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, 187, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 187, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 27.147, 207.950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

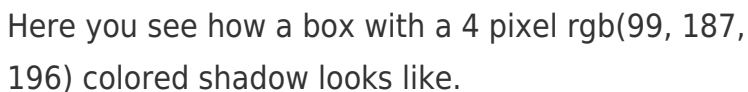
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 187, 196) }
```

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

```
.border{ border-color:rgb(99, 187, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 187, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 187, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 187, 196); box-shadow:4px 4px 4px 4px rgb(99, 187, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 27.147, 207.950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 187, 196) }
```

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

```
.background{ background-color: rgb(99, 187,  
196) }
```

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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