

Converting Colors

CIELCh(71, 30.193, 196.629)

Have a look what the booklet for
CIELCh(71, 30.193, 196.629)
contains.

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Color

CIELCh(71, 30.232, 196.046)

Conversions

Conversions Part 1

Format	Color
Hex	5ABDBC
RGB	90, 189, 188
RGB Percent	35%, 74%, 74%
CMY	0.6471, 0.2589, 0.2628
CMYK	0.52, 0.00, 0.01, 0.26
HSL	179°, 43%, 55%
HSV	179°, 52%, 74%
XYZ	31.4813, 42.1875, 54.0477
YIQ	159.2850, -58.6830, -21.2990

Conversions

Conversions Part 2

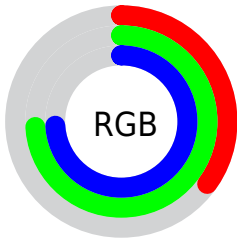
Format	Color
RYB	90, 140, 189
Decimal	5946812
CIELab	71.00, -29.05, -8.36
CIELCh	71, 30.232, 196.046
Yxy	42.1875, 0.2465, 0.3303
Android (android.graphics.Color)	4284136892 (0xFF5ABDBC)
YUV	159.2850, 14.1565, -60.7629
Hunter-Lab	64.9519, -27.1493, -3.8700

Details

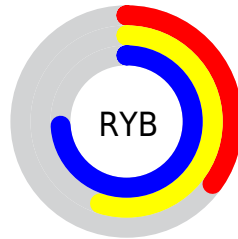
The CIELCh color **71, 30.232, 196.046** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **51, 43.969, 24.847**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 30.356, 195.513**, and **51, 30.149, 196.487** is the 20% darker color. If you saturate the color by 10%, you get **70, 33.898, 195.705**, and if you desaturate by 10%, it is **72, 25.758, 196.436**.

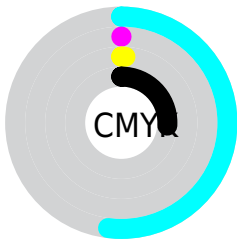
Distribution



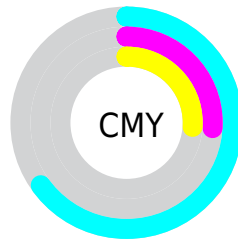
- Red (35%)
- Green (74%)
- Blue (74%)



- Red (35%)
- Yellow (55%)
- Blue (74%)



- Cyan (52%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)





- Cyan (65%)
- Magenta (26%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 30.232, 196.046 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, 30.232, 196.046 by changing the saturation by 10% instead.


 71, 30.232,
196.046


 71, 30.232,
196.046


 100, 30.232,
196.046


 61, 30.232,
196.046


 91, 30.232,
196.046

 51, 30.232,
196.046

 41, 30.232,
196.046

 31, 30.232,
196.046

 21, 30.232,
196.046

 11, 30.232,
196.046

 1, 30.232, 196.046

0, 30.232, 196.046

71, 30.232,
196.046

71, 30.232,
196.046

70, 33.898,
195.705

72, 25.758,
196.436

70, 36.709,
195.417

73, 20.558,
196.880

70, 38.662,
195.177

74, 14.733,
197.375

70, 39.811,
194.977

75, 8.396, 197.928

69, 40.305,
194.843

76, 1.655, 198.744

78, 5.386, 18.914

79, 12.639, 19.579

■ 81, 20.028, 20.218

■ 83, 25.484, 20.625

Harmonies

Complementary

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



71, 30.232, 196.046



51, 43.969, 24.847

Rectangle

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



71, 30.232, 196.046



71, 30.232, 246.046



71, 30.232, 16.046



71, 30.232, 66.046

Sweetspot

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



71, 30.232, 196.044



94, 13.241, 197.706



69, 63.686, 139.814



50, 8.882, 197.592



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 30.232, 196.044



89, 41.795, 195.655



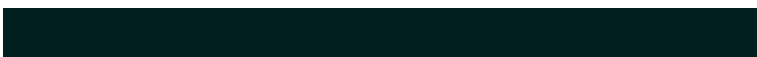
57, 30.374, 263.595



39, 3.867, 198.114



59, 35.317, 194.863



9, 11.709, 195.598

Inverse Universe

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



51, 43.969, 24.847



59, 66.843, 27.802



61, 35.950, 67.244



37, 4.095, 19.098



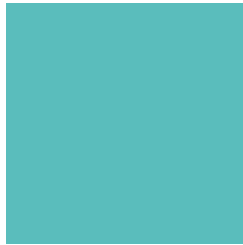
32, 72.408, 39.260



3, 12.254, 18.821

Previews

White Background



This preview shows how the CIE LCh color 71, 30.232, 196.046 looks on a white background.

Color Contrast Check

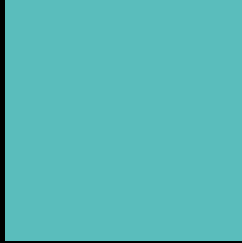
Large Text (above 18pt) WCAG AA × Fail

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 71, 30.232, 196.046 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

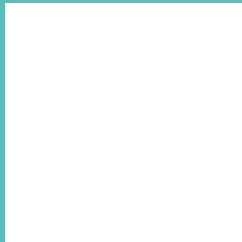
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 30.232, 196.046

Background



This preview shows how black text looks on a background with the CIELCh color 71, 30.232, 196.046.

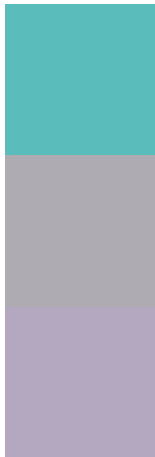


This preview shows how white text looks on a background with the CIELCh color 71, 30.232, 196.046.

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, 30.232, 196.046

Protanopia
71, 3.379, 303.211

Deuteranopia
71, 13.903, 309.623



Tritanopia
71, 28.156, 214.535

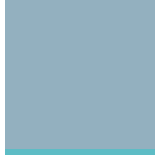
Trichromacy



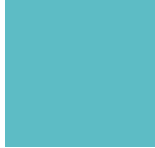
Original Color
71, 30.232, 196.046



Protanomaly
70, 12.418, 208.676



Deuteranomaly
70, 12.738, 239.125



Tritanomaly
71, 28.687, 207.270

Monochromacy



Original Color
71, 30.232, 196.046



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 12.823, 198.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 30.232, 196.046 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(90, 189, 188)` looks like.

```
.text, #text, p{  
    color:rgb(90, 189, 188)  
}
```

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(90, 189, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 189, 188) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 30.232, 196.046 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(90, 189, 188) }
```

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

```
.border{ border-color:rgb(90, 189, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 189, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 189, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 189, 188);  
box-shadow:4px 4px 4px 4px rgb(90, 189,  
188) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 30.232, 196.046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 189, 188) }
```

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

```
.background{ background-color: rgb(90, 189,  
188) }
```

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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