

Converting Colors

CIELCh(71, 31.749, 196.972)

Have a look what the booklet for
CIELCh(71, 31.749, 196.972)
contains.

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Color

CIELCh(71, 31.779, 196.993)

Conversions

Conversions Part 1

Format	Color
Hex	53BEBE
RGB	83, 190, 190
RGB Percent	33%, 75%, 75%
CMY	0.6761, 0.2564, 0.2563
CMYK	0.56, 0.00, 0.00, 0.26
HSL	180°, 45%, 53%
HSV	180°, 56%, 74%
XYZ	31.1176, 42.1875, 55.0067
YIQ	158.0070, -63.7720, -22.6840

Conversions

Conversions Part 2

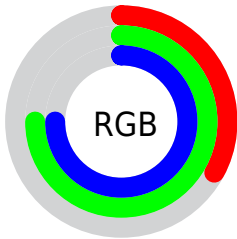
Format	Color
RYB	83, 137, 190
Decimal	5488318
CIELab	71.00, -30.39, -9.29
CIElCh	71, 31.779, 196.993
Yxy	42.1875, 0.2425, 0.3288
Android (android.graphics.Color)	4283678398 (0xFF53BEBE)
YUV	158.0070, 15.7725, -65.7811
Hunter-Lab	64.9519, -28.1488, -4.7454

Details

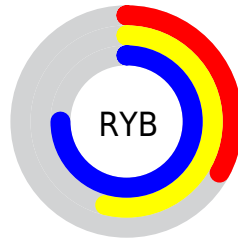
The CIELCh color **71, 31.779, 196.993** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49, 48.167, 26.497**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 31.976, 196.461**, and **51, 31.256, 197.492** is the 20% darker color. If you saturate the color by 10%, you get **70, 35.069, 196.751**, and if you desaturate by 10%, it is **72, 27.651, 197.297**.

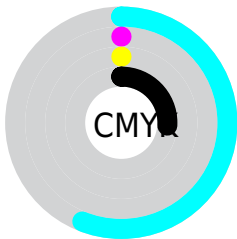
Distribution



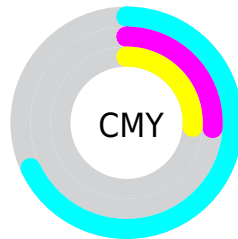
- Red (33%)
- Green (75%)
- Blue (75%)



- Red (33%)
- Yellow (54%)
- Blue (75%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)





- Cyan (68%)
- Magenta (26%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 31.779, 196.993 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, 31.779, 196.993 by changing the saturation by 10% instead.


 71, 31.779,
196.993


 71, 31.779,
196.993


 100, 31.779,
196.993


 61, 31.779,
196.993


 91, 31.779,
196.993

 51, 31.779,
196.993

 41, 31.779,
196.993

 31, 31.779,
196.993

 21, 31.779,
196.993

 11, 31.779,
196.993

 1, 31.779, 196.993

0, 31.779, 196.993

71, 31.779,
196.993

71, 31.779,
196.993

70, 35.069,
196.751

72, 27.651,
197.297

70, 37.494,
196.575

72, 22.754,
197.667

70, 39.073,
196.462

73, 17.181,
198.097

70, 39.899,
196.403

75, 11.041,
198.587

70, 40.109,
196.388

76, 4.444, 199.174

77, 2.503, 19.395

79, 9.705, 20.131

■ 81, 17.079, 20.755

■ 83, 24.556, 21.378

Harmonies

Complementary

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



71, 31.779, 196.993



49, 48.167, 26.497

Rectangle

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



71, 31.779, 196.993



71, 31.779, 246.993



71, 31.779, 16.993



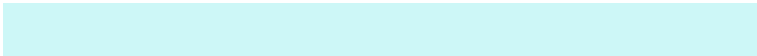
71, 31.779, 66.993

Sweetspot

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



71, 31.779, 196.991



95, 14.126, 198.543



69, 68.491, 139.676



51, 9.466, 198.440



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 31.779, 196.991



89, 43.709, 196.698



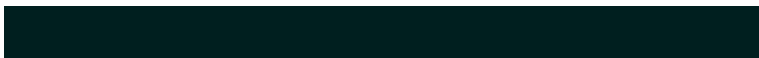
55, 33.397, 266.712



39, 3.863, 198.984



59, 35.059, 196.388



9, 11.663, 196.740

Inverse Universe

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



53, 67.919, 327.292



63, 96.682, 327.732



61, 39.319, 68.372



37, 7.068, 324.929



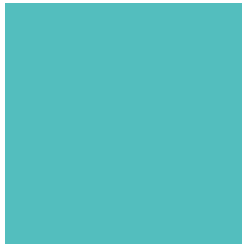
37, 80.848, 328.233



3, 21.490, 325.461

Previews

White Background



This preview shows how the CIELCh color 71, 31.779, 196.993 looks on a white background.

Color Contrast Check

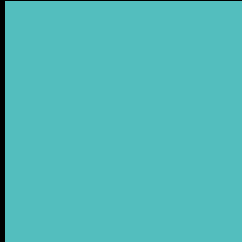
Large Text (above 18pt) WCAG AA × Fail

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, 31.779, 196.993 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

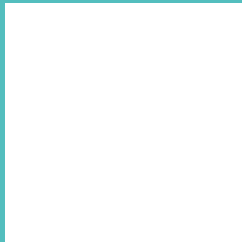
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 31.779, 196.993

Background



This preview shows how black text looks on a background with the CIELCh color 71, 31.779, 196.993.

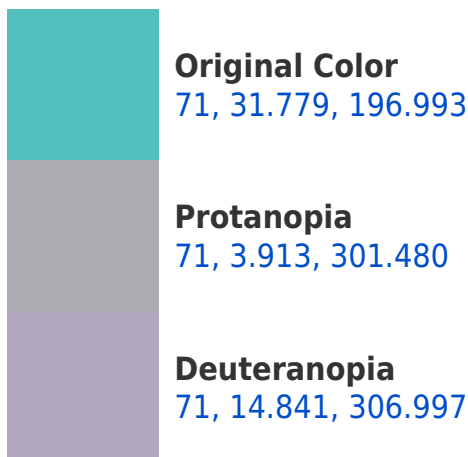


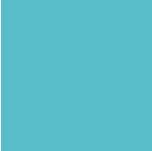
This preview shows how white text looks on a background with the CIELCh color 71, 31.779, 196.993.

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
71, 29.761, 213.473

Trichromacy



Original Color
71, 31.779, 196.993



Protanomaly
70, 13.114, 210.541



Deuteranomaly
70, 13.793, 238.377



Tritanomaly
71, 30.330, 206.610

Monochromacy



Original Color
71, 31.779, 196.993



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 13.811, 198.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 31.779, 196.993 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(83, 190, 190)` looks like.

```
.text, #text, p{  
    color:rgb(83, 190, 190)  
}
```

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(83, 190, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 190, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 31.779, 196.993 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(83, 190, 190) }
```

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

```
.border{ border-color:rgb(83, 190, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 190, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 190, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 190, 190);  
box-shadow:4px 4px 4px 4px rgb(83, 190,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 31.779, 196.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 190, 190) }
```

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

```
.background{ background-color: rgb(83, 190,  
190) }
```

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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