

Converting Colors

CIELCh(71, 35.231, 196.818)

Have a look what the booklet for
CIELCh(71, 35.231, 196.818)
contains.

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Color

CIELCh(71, 35.281, 196.748)

Conversions

Conversions Part 1

Format	Color
Hex	40BFBF
RGB	64, 191, 191
RGB Percent	25%, 75%, 75%
CMY	0.7483, 0.2504, 0.2504
CMYK	0.66, 0.00, 0.00, 0.25
HSL	180°, 50%, 50%
HSV	180°, 66%, 75%
XYZ	30.2075, 42.1875, 55.9225
YIQ	153.0270, -75.6920, -26.9240

Conversions

Conversions Part 2

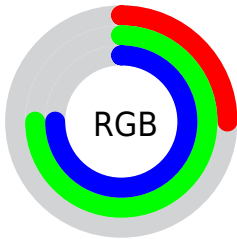
Format	Color
RYB	64, 128, 191
Decimal	4243391
CIELab	71.00, -33.78, -10.17
CIElCh	71, 35.281, 196.748
Yxy	42.1875, 0.2354, 0.3288
Android (android.graphics.Color)	4282433471 (0xFF40BFBF)
YUV	153.0270, 18.7207, -78.0767
Hunter-Lab	64.9519, -30.6499, -5.5814

Details

The CIELCh color **71, 35.281, 196.748** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **46, 58.141, 29.208**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 35.410, 196.347**, and **52, 31.424, 197.484** is the 20% darker color. If you saturate the color by 10%, you get **71, 37.720, 196.571**, and if you desaturate by 10%, it is **72, 31.969, 196.987**.

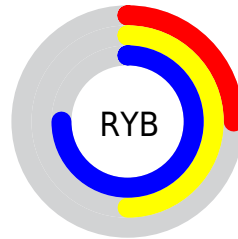
Distribution



Red (25%)

Green (75%)

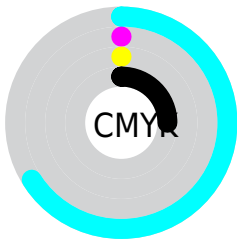
Blue (75%)



Red (25%)

Yellow (50%)

Blue (75%)

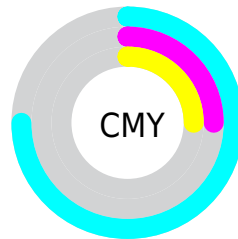


Cyan (66%)

Magenta (0%)

Yellow (0%)

Black (25%)



Cyan (75%)


Magenta (25%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 35.281, 196.748 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, 35.281, 196.748 by changing the saturation by 10% instead.


 71, 35.281,
196.748


 71, 35.281,
196.748


 100, 35.281,
196.748


 61, 35.281,
196.748


 91, 35.281,
196.748

 51, 35.281,
196.748

 41, 35.281,
196.748

 31, 35.281,
196.748

 21, 35.281,
196.748

 11, 35.281,
196.748

 1, 35.281, 196.748

0, 35.281, 196.748

71, 35.281,
196.748

71, 35.281,
196.748

71, 37.720,
196.571

72, 31.969,
196.987

70, 39.309,
196.457

72, 27.815,
197.294

70, 40.138,
196.398

73, 22.885,
197.664

70, 40.349,
196.383

74, 17.275,
198.094

75, 11.094,
198.585

76, 4.453, 199.173

■ 78, 2.540, 19.395

■ 80, 9.789, 20.131

■ 81, 17.211, 20.755

Harmonies

Complementary

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



71, 35.281, 196.748



46, 58.141, 29.208

Rectangle

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



71, 35.281, 196.748



71, 35.281, 246.748



71, 35.281, 16.748



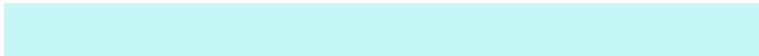
71, 35.281, 66.748

Sweetspot

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



71, 35.281, 196.747



94, 16.462, 198.386



69, 78.413, 138.296



50, 11.217, 198.247



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, 35.281, 196.747



89, 46.841, 196.508



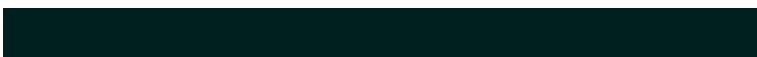
53, 38.259, 268.175



39, 3.863, 198.981



59, 35.060, 196.383



9, 11.663, 196.736

Inverse Universe

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



46, 58.141, 29.208



54, 87.076, 34.222



58, 47.308, 65.465



37, 4.096, 19.916



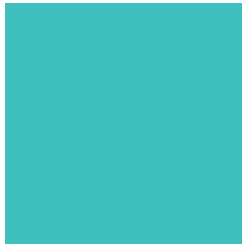
32, 72.802, 39.664



3, 12.251, 19.404

Previews

White Background



This preview shows how the CIE LCh color 71, 35.281, 196.748 looks on a white background.

Color Contrast Check

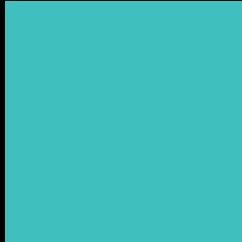
Large Text (above 18pt) WCAG AA × Fail

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, 35.281, 196.748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

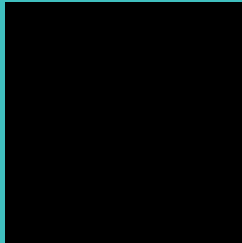
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

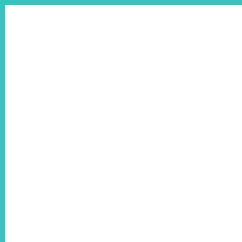
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 35.281, 196.748

Background



This preview shows how black text looks on a background with the CIELCh color 71, 35.281, 196.748.

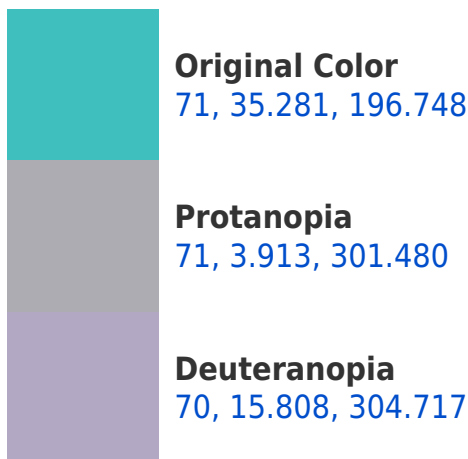


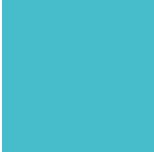
This preview shows how white text looks on a background with the CIELCh color 71, 35.281, 196.748.

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



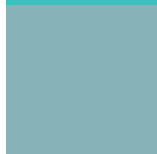


Tritanopia
71, 32.899, 211.681

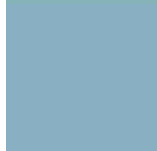
Trichromacy



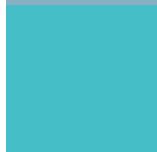
Original Color
71, 35.281, 196.748



Protanomaly
70, 15.577, 206.346



Deuteranomaly
70, 16.102, 236.604

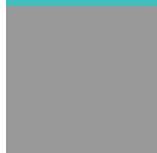


Tritanomaly
71, 33.520, 205.487

Monochromacy



Original Color
71, 35.281, 196.748



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 16.085, 198.057

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 35.281, 196.748 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(64, 191, 191)` looks like.

```
.text, #text, p{  
    color:rgb(64, 191, 191)  
}
```

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(64, 191, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 191, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 35.281, 196.748 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(64, 191, 191) }
```

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

```
.border{ border-color:rgb(64, 191, 191) }
```

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

Here you see how a box with a 4 pixel rgb(64, 191, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 191, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 191, 191);  
box-shadow:4px 4px 4px 4px rgb(64, 191,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 35.281, 196.748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 191, 191) }
```

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

```
.background{ background-color: rgb(64, 191,  
191) }
```

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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