

Converting Colors

CIELCh(71, 35.791, 187.798)

Have a look what the booklet for
CIELCh(71, 35.791, 187.798)
contains.

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Color

CIELCh(71, 35.618, 187.769)

Conversions

Conversions Part 1

Format	Color
Hex	48BFB5
RGB	72, 191, 181
RGB Percent	28%, 75%, 71%
CMY	0.7157, 0.2494, 0.2886
CMYK	0.62, 0.00, 0.05, 0.25
HSL	175°, 48%, 52%
HSV	175°, 62%, 75%
XYZ	29.8091, 42.1875, 50.5019
YIQ	154.2790, -67.7140, -28.3380

Conversions

Conversions Part 2

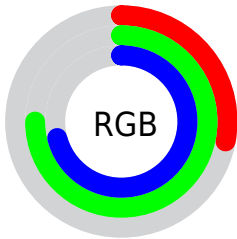
Format	Color
RYB	72, 134, 191
Decimal	4767669
CIELab	71.00, -35.29, -4.81
CIELCh	71, 35.618, 187.769
Yxy	42.1875, 0.2433, 0.3444
Android (android.graphics.Color)	4282957749 (0xFF48BFB5)
YUV	154.2790, 13.1735, -72.1587
Hunter-Lab	64.9519, -31.7448, -0.6333

Details

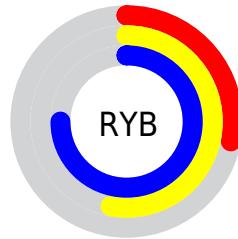
The CIELCh color **71, 35.618, 187.769** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **48, 52.278, 22.018**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 35.680, 187.865**, and **51, 33.380, 187.036** is the 20% darker color. If you saturate the color by 10%, you get **71, 38.855, 186.936**, and if you desaturate by 10%, it is **72, 31.538, 188.562**.

Distribution



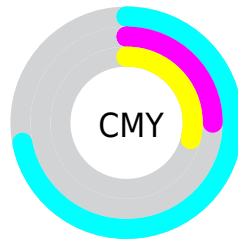
- Red (28%)
- Green (75%)
- Blue (71%)



- Red (28%)
- Yellow (53%)
- Blue (75%)



- Cyan (62%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)





- Cyan (72%)
- Magenta (25%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 35.618, 187.769 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, 35.618, 187.769 by changing the saturation by 10% instead.


 71, 35.618,
187.769


 71, 35.618,
187.769


 100, 35.618,
187.769


 61, 35.618,
187.769


 91, 35.618,
187.769

 51, 35.618,
187.769

 41, 35.618,
187.769

 31, 35.618,
187.769

 21, 35.618,
187.769

 11, 35.618,
187.769

 1, 35.618, 187.769

0, 35.618, 187.769

71, 35.618,
187.769

71, 35.618,
187.769

71, 38.855,
186.936

72, 31.538,
188.562

70, 41.233,
186.050

72, 26.677,
189.332

70, 42.793,
185.094

73, 21.130,
190.089

70, 43.608,
184.302

74, 15.009,
190.842

76, 8.431, 191.608

77, 1.507, 192.628

79, 5.660, 12.922

■ 80, 12.984, 13.703

■ 82, 20.393, 14.440

Harmonies

Complementary

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



71, 35.618, 187.769



48, 52.278, 22.018

Rectangle

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



71, 35.618, 187.769



71, 35.618, 237.769



71, 35.618, 7.769



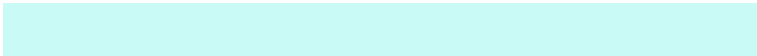
71, 35.618, 57.769

Sweetspot

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



71, 35.618, 187.768



95, 16.123, 191.056



69, 72.976, 137.257



50, 11.009, 190.837



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, 35.618, 187.768



90, 48.792, 186.581



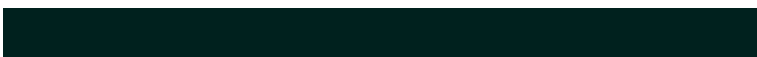
57, 32.363, 256.054



40, 4.003, 191.829



59, 38.257, 184.446



10, 13.103, 187.129

Inverse Universe

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



48, 52.278, 22.018



56, 78.638, 26.861



57, 44.069, 58.033



38, 4.206, 13.120



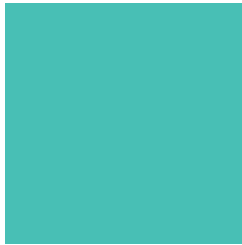
33, 70.457, 36.158



3, 14.060, 14.815

Previews

White Background



This preview shows how the CIELCh color 71, 35.618, 187.769 looks on a white background.

Color Contrast Check

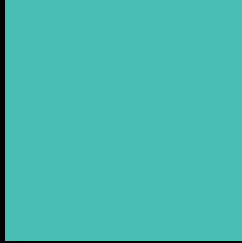
Large Text (above 18pt) WCAG AA × Fail

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, 35.618, 187.769 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

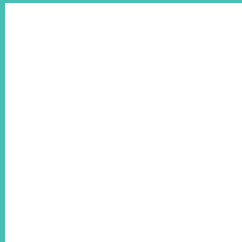
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 35.618, 187.769

Background



This preview shows how black text looks on a background with the CIELCh color 71, 35.618, 187.769.

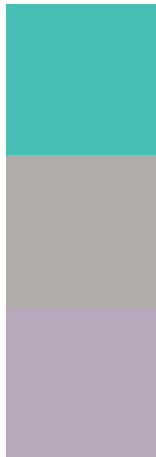


This preview shows how white text looks on a background with the CIELCh color 71, 35.618, 187.769.

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

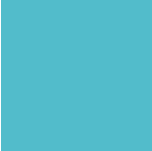
71, 35.618, 187.769

Protanopia

71, 1.855, 55.193

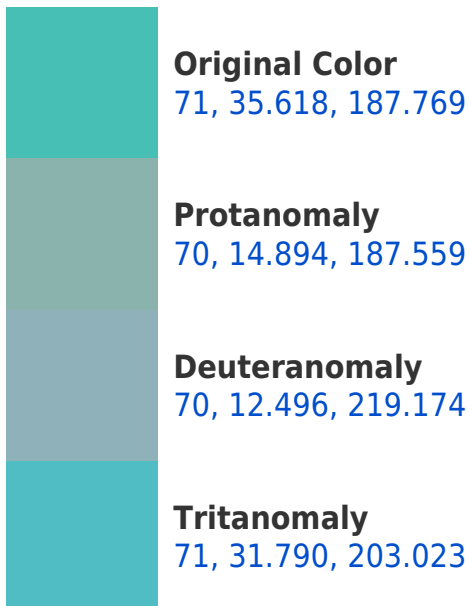
Deuteranopia

71, 11.825, 318.920



Tritanopia
71, 30.869, 212.805

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 35.618, 187.769 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(72, 191, 181)` looks like.

```
.text, #text, p{  
    color:rgb(72, 191, 181)  
}
```

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(72, 191, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 191, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 35.618, 187.769 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(72, 191, 181) }
```

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

```
.border{ border-color:rgb(72, 191, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 191, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 191, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 191, 181);  
box-shadow:4px 4px 4px 4px rgb(72, 191,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 35.618, 187.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 191, 181) }
```

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

```
.background{ background-color: rgb(72, 191,  
181) }
```

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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