

Converting Colors

CIELCh(71, 33.175, 175.025)

Have a look what the booklet for
CIELCh(71, 33.175, 175.025)
contains.

CIELCh(71, 33.146, 175.485)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 33.146, 175.485)

Conversions

Conversions Part 1

Format	Color
Hex	61BEA8
RGB	97, 190, 168
RGB Percent	38%, 75%, 66%
CMY	0.6197, 0.2549, 0.3412
CMYK	0.49, 0.00, 0.12, 0.25
HSL	166°, 42%, 56%
HSV	166°, 49%, 75%
XYZ	30.4048, 42.1875, 43.5793
YIQ	159.6850, -48.3660, -26.5580

Conversions

Conversions Part 2

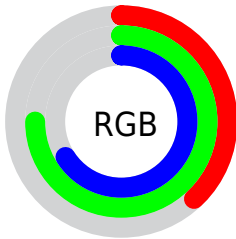
Format	Color
RYB	97, 150, 190
Decimal	6405800
CIELab	71.00, -33.04, 2.61
CIELCh	71, 33.146, 175.485
Yxy	42.1875, 0.2617, 0.3631
Android (android.graphics.Color)	4284595880 (0xFF61BEA8)
YUV	159.6850, 4.0993, -54.9747
Hunter-Lab	64.9519, -30.1077, 5.6858

Details

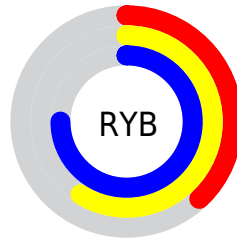
The CIELCh color **71, 33.146, 175.485** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **53, 39.911, 7.130**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 33.348, 175.275**, and **51, 33.119, 175.436** is the 20% darker color. If you saturate the color by 10%, you get **70, 38.446, 174.186**, and if you desaturate by 10%, it is **72, 27.194, 176.667**.

Distribution



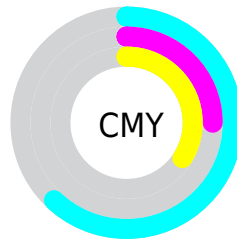
- Red (38%)
- Green (75%)
- Blue (66%)



- Red (38%)
- Yellow (59%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (62%)
- Magenta (25%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 33.146, 175.485 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, 33.146, 175.485 by changing the saturation by 10% instead.


 71, 33.146,
175.485


 71, 33.146,
175.485


 100, 33.146,
175.485


 61, 33.146,
175.485


 91, 33.146,
175.485

 51, 33.146,
175.485

 41, 33.146,
175.485

 31, 33.146,
175.485

 21, 33.146,
175.485

 11, 33.146,
175.485

 1, 33.146, 175.485

0, 33.146, 175.485

71, 33.146,
175.485

71, 33.146,
175.485

70, 38.446,
174.186

72, 27.194,
176.667

70, 43.000,
172.752

73, 20.704,
177.760

69, 46.754,
171.156

74, 13.800,
178.783

69, 49.713,
169.383

76, 6.601, 179.769

69, 52.016,
167.458

77, 0.785, 359.983

79, 8.268, 1.391

69, 52.248,
167.260

81, 15.773, 2.236

■ 83, 23.243, 3.031

■ 83, 26.012,
359.851

Harmonies

Complementary

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



71, 33.146, 175.485



53, 39.911, 7.130

Rectangle

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



71, 33.146, 175.485



71, 33.146, 225.485



71, 33.146, 355.485



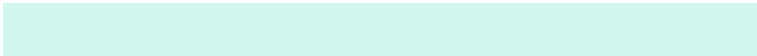
71, 33.146, 45.485

Sweetspot

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



71, 33.147, 175.484



95, 13.605, 179.149



71, 56.150, 134.669



51, 9.330, 178.939



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, 33.147, 175.484



89, 47.475, 174.049



65, 24.414, 230.200



39, 4.155, 179.730



58, 45.417, 167.561



9, 13.525, 173.130

Inverse Universe

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



53, 39.911, 7.130



63, 59.568, 9.770



57, 34.533, 44.309



37, 4.294, 1.319



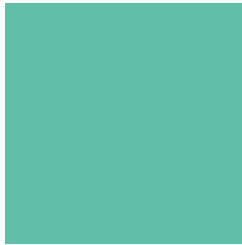
33, 63.179, 25.844



3, 12.633, 6.045

Previews

White Background



This preview shows how the CIELCh color 71, 33.146, 175.485 looks on a white background.

Color Contrast Check

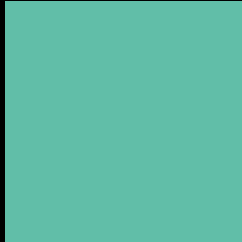
Large Text (above 18pt) WCAG AA × Fail

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, 33.146, 175.485 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, 33.146, 175.485

Background



This preview shows how black text looks on a background with the CIELCh color 71, 33.146, 175.485.

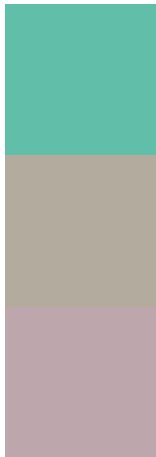


This preview shows how white text looks on a background with the CIELCh color 71, 33.146, 175.485.

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, 33.146, 175.485

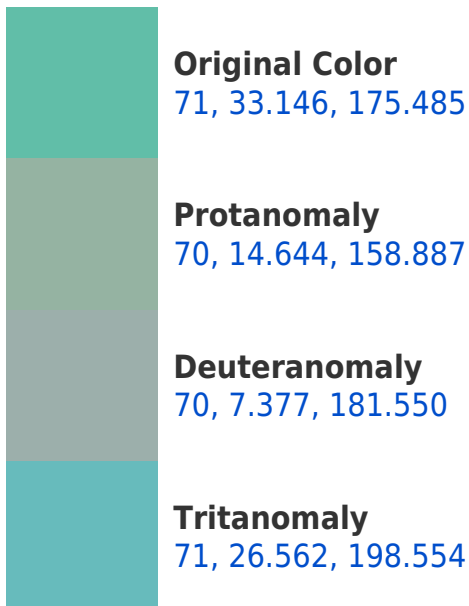
Protanopia
71, 8.085, 89.655

Deuteranopia
71, 9.016, 358.945

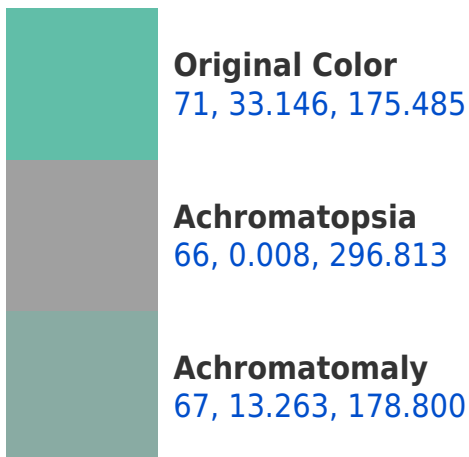


Tritanopia
71, 25.088, 216.929

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 33.146, 175.485 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(97, 190, 168)` looks like.

```
.text, #text, p{  
    color:rgb(97, 190, 168)  
}
```

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(97, 190, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 190, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 33.146, 175.485 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(97, 190, 168) }
```

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

```
.border{ border-color:rgb(97, 190, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 190, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 190, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 190, 168);  
box-shadow:4px 4px 4px 4px rgb(97, 190,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 33.146, 175.485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 190, 168) }
```

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

```
.background{ background-color: rgb(97, 190,  
168) }
```

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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