

Converting Colors

CIELCh(77, 37.486, 175.759)

Have a look what the booklet for
CIELCh(77, 37.486, 175.759)
contains.

CIELCh(77, 37.685, 175.720)	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(77, 37.685, 175.720)

Conversions

Conversions Part 1

Format	Color
Hex	63D1B8
RGB	99, 209, 184
RGB Percent	39%, 82%, 72%
CMY	0.6130, 0.1816, 0.2796
CMYK	0.53, 0.00, 0.12, 0.18
HSL	166°, 54%, 60%
HSV	166°, 53%, 82%
XYZ	36.4553, 51.5317, 53.2083
YIQ	173.2600, -57.5350, -31.0950

Conversions

Conversions Part 2

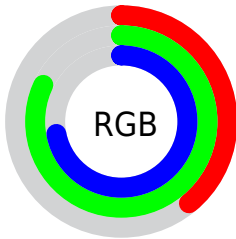
Format	Color
RYB	99, 161, 209
Decimal	6541752
CIELab	77.00, -37.58, 2.81
CIELCh	77, 37.685, 175.720
Yxy	51.5317, 0.2582, 0.3650
Android (android.graphics.Color)	4284731832 (0xFF63D1B8)
YUV	173.2600, 5.2948, -65.1260
Hunter-Lab	71.7856, -34.9762, 6.3035

Details

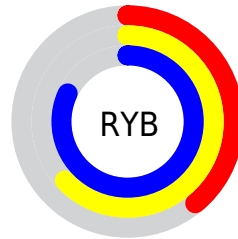
The CIELCh color **77, 37.685, 175.720** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **56, 46.420, 8.750**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.252, 183.442**, and **57, 37.724, 175.577** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.008, 174.380**, and if you desaturate by 10%, it is **78, 31.603, 176.936**.

Distribution



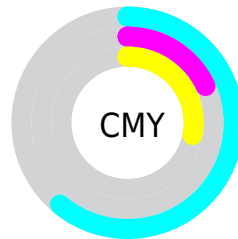
- Red (39%)
- Green (82%)
- Blue (72%)



- Red (39%)
- Yellow (63%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (12%)
- Black (18%)




- Cyan (61%)
- Magenta (18%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 37.685, 175.720 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 77, 37.685, 175.720 by changing the saturation by 10% instead.

 77, 37.685,
175.720


 77, 37.685,
175.720


 100, 37.685,
175.720


 67, 37.685,
175.720


 97, 37.685,
175.720

 57, 37.685,
175.720

 47, 37.685,
175.720

 37, 37.685,
175.720

 27, 37.685,
175.720

 17, 37.685,
175.720

 7, 37.685, 175.720

0, 37.685, 175.720

77, 37.685,
175.720

77, 37.685,
175.720

76, 43.008,
174.380

78, 31.603,
176.936

76, 47.485,
172.897

79, 24.877,
178.057

75, 51.084,
171.247

80, 17.642,
179.101

75, 53.843,
169.415

82, 10.029,
180.094

75, 55.474,
168.008

83, 2.161, 181.198

85, 5.854, 1.743

87, 13.929, 2.629

■ 88, 18.246,
359.243

■ 88, 19.176,
352.308

Harmonies

Complementary

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



77, 37.685, 175.720



56, 46.420, 8.750

Rectangle

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



77, 37.685, 175.720



77, 37.685, 225.720



77, 37.685, 355.720



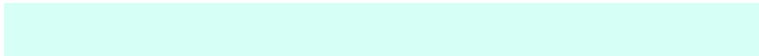
77, 37.685, 45.720

Sweetspot

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



77, 37.685, 175.719



97, 14.778, 179.753



76, 65.220, 134.864



51, 9.946, 179.547



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 37.685, 175.719



91, 50.597, 174.237



69, 27.882, 233.522



43, 4.500, 180.420



61, 47.061, 168.331



14, 17.020, 172.720

Inverse Universe

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



56, 46.420, 8.750



62, 64.990, 11.696



62, 40.466, 45.886



41, 4.657, 2.026



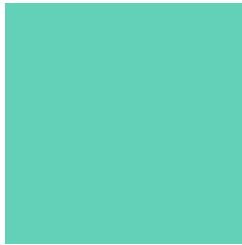
35, 66.684, 26.917



4, 20.275, 8.974

Previews

White Background



This preview shows how the CIELCh color 77, 37.685, 175.720 looks on a white background.

Color Contrast Check

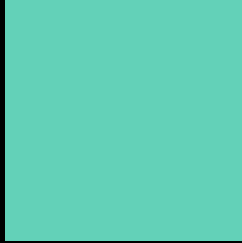
Large Text (above 18pt) WCAG AA × Fail

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 77, 37.685, 175.720 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

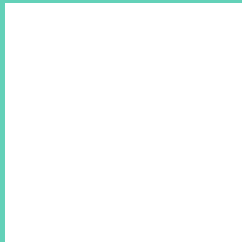
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 37.685, 175.720

Background



This preview shows how black text looks on a background with the CIELCh color 77, 37.685, 175.720.

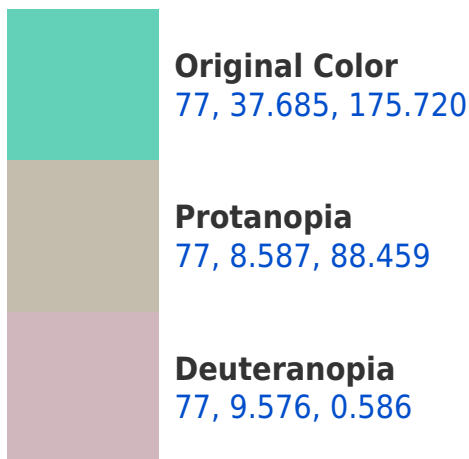


This preview shows how white text looks on a background with the CIELCh color 77, 37.685, 175.720.

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
77, 28.675, 216.323

Trichromacy



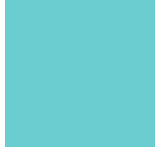
Original Color
77, 37.685, 175.720



Protanomaly
76, 16.498, 159.936



Deuteranomaly
76, 9.129, 181.552



Tritanomaly
77, 30.113, 199.319

Monochromacy



Original Color
77, 37.685, 175.720



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 15.228, 179.404

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 37.685, 175.720 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(99, 209, 184)` looks like.

```
.text, #text, p{  
    color:rgb(99, 209, 184)  
}
```

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(99, 209, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 209, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 37.685, 175.720 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(99, 209, 184) }
```

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

```
.border{ border-color:rgb(99, 209, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 209, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 209, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 209, 184);  
box-shadow:4px 4px 4px 4px rgb(99, 209,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 37.685, 175.720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 209, 184) }
```

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

```
.background{ background-color: rgb(99, 209,  
184) }
```

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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