

Converting Colors

CIELCh(77, 39.909, 169.437)

Have a look what the booklet for
CIELCh(77, 39.909, 169.437)
contains.

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Color

CIELCh(77, 39.935, 169.280)

Conversions

Conversions Part 1

Format	Color
Hex	65D1AF
RGB	101, 209, 175
RGB Percent	40%, 82%, 69%
CMY	0.6034, 0.1799, 0.3133
CMYK	0.52, 0.00, 0.16, 0.18
HSL	161°, 54%, 61%
HSV	161°, 52%, 82%
XYZ	35.9584, 51.5317, 48.6669
YIQ	172.8320, -53.4540, -33.4700

Conversions

Conversions Part 2

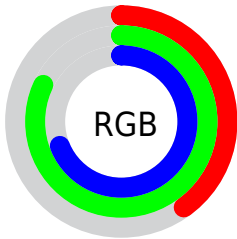
Format	Color
RYB	101, 165, 209
Decimal	6672815
CIELab	77.00, -39.24, 7.43
CIElCh	77, 39.935, 169.280
Yxy	51.5317, 0.2641, 0.3785
Android (android.graphics.Color)	4284862895 (0xFF65D1AF)
YUV	172.8320, 1.0688, -62.9967
Hunter-Lab	71.7856, -36.2118, 10.0544

Details

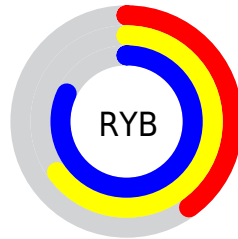
The CIELCh color **77, 39.935, 169.280** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **57, 46.156, 1.925**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.755, 175.716**, and **57, 39.908, 169.509** is the 20% darker color. If you saturate the color by 10%, you get **76, 46.085, 167.812**, and if you desaturate by 10%, it is **78, 33.087, 170.597**.

Distribution



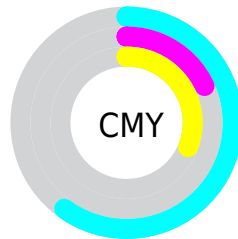
- Red (40%)
- Green (82%)
- Blue (69%)



- Red (40%)
- Yellow (65%)
- Blue (82%)



- Cyan (52%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)



- Cyan (60%)
- Magenta (18%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 39.935, 169.280 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, 39.935, 169.280 by changing the saturation by 10% instead.


 77, 39.935,
169.280

 77, 39.935,
169.280


 100, 39.935,
169.280


 67, 39.935,
169.280

 97, 39.935,
169.280

 57, 39.935,
169.280

 47, 39.935,
169.280

 37, 39.935,
169.280

 27, 39.935,
169.280

 17, 39.935,
169.280

 7, 39.935, 169.280

■ 0, 39.935, 169.280

■ 77, 39.935,
169.280

■ 77, 39.935,
169.280

■ 76, 46.085,
167.812

■ 78, 33.087,
170.597

■ 76, 51.434,
166.171

■ 79, 25.669,
171.791

■ 75, 55.930,
164.336

■ 80, 17.822,
172.885

■ 75, 59.593,
162.297

■ 82, 9.682, 173.909

■ 75, 62.172,
160.495

■ 84, 1.370, 175.145

■ 85, 7.010, 355.589

■ 87, 15.377,
356.448

■ 88, 19.265,
350.692

■ 88, 21.072,
342.509

Harmonies

Complementary

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



77, 39.935, 169.280



57, 46.156, 1.925

Rectangle

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



77, 39.935, 169.280



77, 39.935, 219.280



77, 39.935, 349.280



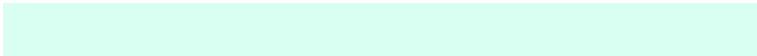
77, 39.935, 39.280

Sweetspot

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



77, 39.936, 169.279



97, 14.608, 173.553



77, 62.528, 132.625



51, 9.946, 173.336



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, 39.936, 169.279



91, 54.229, 167.646



72, 27.799, 220.651



43, 4.724, 174.134



61, 52.580, 160.860



14, 18.618, 165.889

Inverse Universe

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



57, 46.156, 1.925



63, 64.239, 4.581



60, 41.358, 38.539



41, 4.848, 355.767



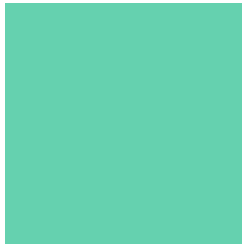
35, 63.669, 19.323



4, 20.553, 4.800

Previews

White Background



This preview shows how the CIELCh color 77, 39.935, 169.280 looks on a white background.

Color Contrast Check

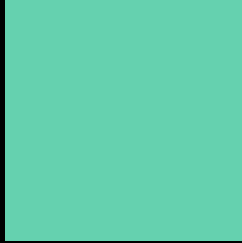
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 39.935, 169.280 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, 39.935, 169.280

Background



This preview shows how black text looks on a background with the CIELCh color 77, 39.935, 169.280.

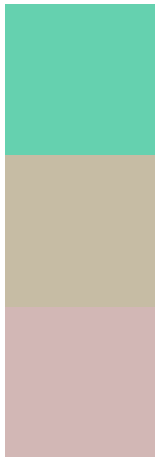


This preview shows how white text looks on a background with the CIELCh color 77, 39.935, 169.280.

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

77, 39.935, 169.280

Protanopia

76, 13.421, 92.017

Deuteranopia

77, 10.379, 26.088



Tritanopia
77, 27.519, 216.001

Trichromacy



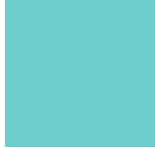
Original Color
77, 39.935, 169.280



Protanomaly
76, 19.532, 147.789



Deuteranomaly
76, 10.787, 158.202



Tritanomaly
77, 29.586, 195.163

Monochromacy



Original Color
77, 39.935, 169.280



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 15.637, 173.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 39.935, 169.280 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(101, 209, 175)` looks like.

```
.text, #text, p{  
    color:rgb(101, 209, 175)  
}
```

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(101, 209, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 209, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 39.935, 169.280 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(101, 209, 175) }
```

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

```
.border{ border-color:rgb(101, 209, 175) }
```

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

Here you see how a box with a 4 pixel rgb(101, 209, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 209, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 209, 175);  
box-shadow:4px 4px 4px 4px rgb(101, 209,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 39.935, 169.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 209, 175) }
```

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

```
.background{ background-color: rgb(101,  
209, 175) }
```

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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