

# Converting Colors

CIELCh(77, 33.507, 189.241)

Have a look what the booklet for  
CIELCh(77, 33.507, 189.241)  
contains.

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**Color**

**CIELCh(77, 33.397, 189.528)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63CFC7
RGB	99, 207, 199
RGB Percent	39%, 81%, 78%
CMY	0.6108, 0.1874, 0.2188
CMYK	0.52, 0.00, 0.04, 0.19
HSL	176°, 53%, 60%
HSV	176°, 52%, 81%
XYZ	37.8712, 51.5317, 62.1151
YIQ	173.7960, -61.8000, -25.3840

# Conversions

## Conversions Part 2

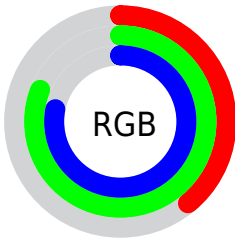
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 155, 207
Decimal	6541255
CIELab	77.00, -32.94, -5.53
CIElCh	77, 33.397, 189.528
Yxy	51.5317, 0.2499, 0.3401
Android (android.graphics.Color)	4284731335 (0xFF63CFC7)
YUV	173.7960, 12.4256, -65.5961
Hunter-Lab	71.7856, -31.4554, -1.0529

# Details

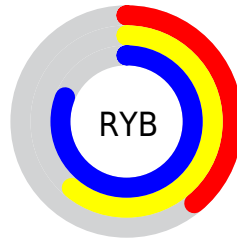
The CIELCh color **77, 33.397, 189.528** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 46.257, 20.204**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **57, 33.375, 189.449** is the 20% darker color. If you saturate the color by 10%, you get **76, 37.666, 188.782**, and if you desaturate by 10%, it is **78, 28.283, 190.256**.

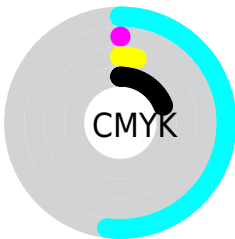
# Distribution



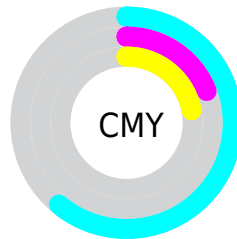
- Red (39%)
- Green (81%)
- Blue (78%)



- Red (39%)
- Yellow (61%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (4%)
- Black (19%)




- Cyan (61%)
- Magenta (19%)
- Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 33.397, 189.528 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, 33.397, 189.528 by changing the saturation by 10% instead.





 77, 33.397,  
189.528


 77, 33.397,  
189.528


 100, 33.397,  
189.528


 67, 33.397,  
189.528


 97, 33.397,  
189.528

 57, 33.397,  
189.528

 47, 33.397,  
189.528

 37, 33.397,  
189.528

 27, 33.397,  
189.528

 17, 33.397,  
189.528

 7, 33.397, 189.528

0, 33.397, 189.528

77, 33.397,  
189.528

77, 33.397,  
189.528

76, 37.666,  
188.782

78, 28.283,  
190.256

76, 41.026,  
188.009

79, 22.425,  
190.980

75, 43.462,  
187.194

80, 15.940,  
191.707

75, 45.024,  
186.319

81, 8.955, 192.452

75, 45.801,  
185.593

83, 1.590, 193.458

85, 6.044, 13.737

86, 13.854, 14.508

■ 87, 17.950, 13.663

■ 87, 18.015, 11.142

# Harmonies

# Complementary

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



77, 33.397, 189.528



55, 46.257, 20.204

# Rectangle

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



77, 33.397, 189.528



77, 33.397, 239.528



77, 33.397, 9.528



77, 33.397, 59.528

# Sweetspot

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



77, 33.397, 189.526



97, 13.866, 192.143



75, 67.030, 138.457



52, 9.312, 191.989



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, 33.397, 189.526



92, 44.765, 188.657



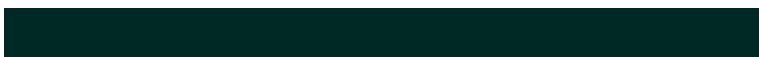
64, 30.179, 255.317



43, 4.251, 192.663



62, 39.189, 185.739



14, 14.770, 187.694



# Inverse Universe

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



55, 46.257, 20.204



62, 67.268, 23.339



65, 38.293, 60.545



41, 4.474, 13.934



35, 73.468, 36.787

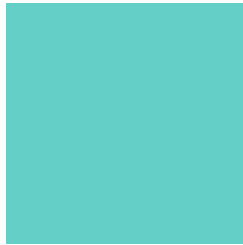


4, 20.035, 16.011



# Previews

## White Background



This preview shows how the CIELCh color 77, 33.397, 189.528 looks on a white background.

## Color Contrast Check

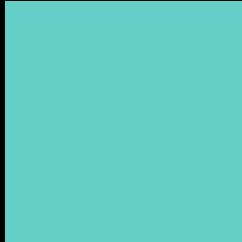
Large Text (above 18pt) WCAG AA × Fail

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, 33.397, 189.528 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

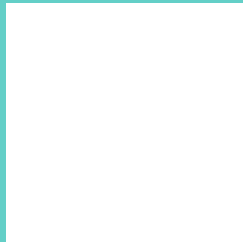
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 77, 33.397, 189.528**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 77, 33.397, 189.528.

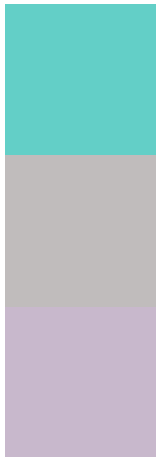


This preview shows how white text looks on a background with the CIELCh color 77, 33.397, 189.528.

# 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, 33.397, 189.528

**Protanopia**  
77, 1.485, 19.170

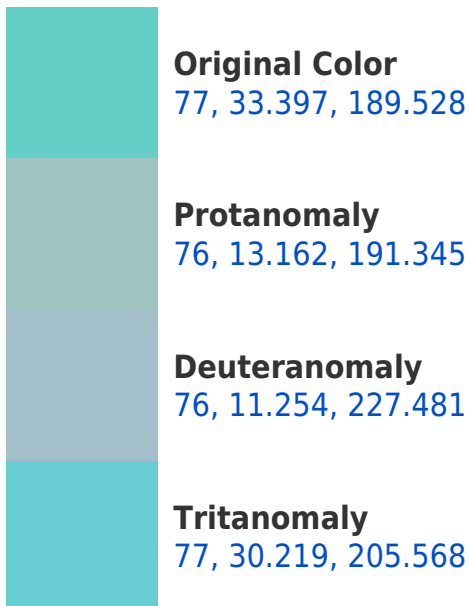
**Deuteranopia**  
77, 12.280, 319.225



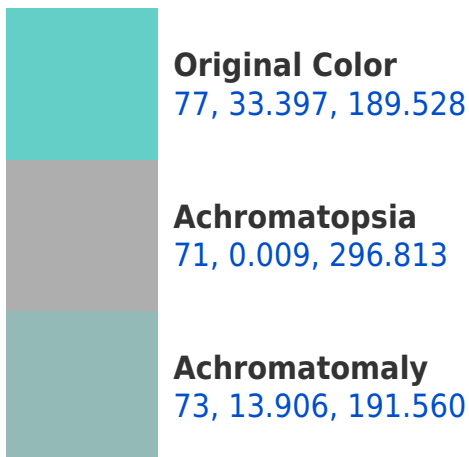


**Tritanopia**  
77, 29.521, 215.703

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 77, 33.397, 189.528 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, 207, 199)` looks like.

```
.text, #text, p{  
    color:rgb(99, 207, 199)  
}
```

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, 207, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 207, 199) }
```

## Border

The CSS property to change the border of an element to CIELCh 77, 33.397, 189.528 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, 207, 199) }
```

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

```
.border{ border-color:rgb(99, 207, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 207, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 207, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 207, 199);  
box-shadow:4px 4px 4px 4px rgb(99, 207,  
199) }
```

# Background

The CSS property to change the background color of an element to CIELCh 77, 33.397, 189.528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 207, 199) }
```

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

```
.background{ background-color: rgb(99, 207,  
199) }
```

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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