

Converting Colors

CIELCh(77, 31.847, 199.071)

Have a look what the booklet for
CIELCh(77, 31.847, 199.071)
contains.

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Color

CIELCh(77, 31.864, 199.092)

Conversions

Conversions Part 1

Format	Color
Hex	63CED0
RGB	99, 206, 208
RGB Percent	39%, 81%, 82%
CMY	0.6105, 0.1909, 0.1831
CMYK	0.52, 0.01, 0.00, 0.18
HSL	181°, 54%, 60%
HSV	181°, 52%, 82%
XYZ	38.7503, 51.5317, 67.7770
YIQ	174.2350, -64.4140, -22.0620

Conversions

Conversions Part 2

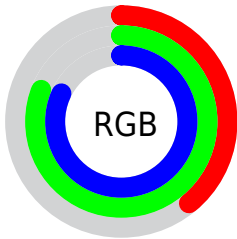
Format	Color
RYB	99, 153, 208
Decimal	6541008
CIELab	77.00, -30.11, -10.42
CIELCh	77, 31.864, 199.092
Yxy	51.5317, 0.2452, 0.3260
Android (android.graphics.Color)	4284731088 (0xFF63CED0)
YUV	174.2350, 16.6461, -65.9811
Hunter-Lab	71.7856, -29.2696, -5.7293

Details

The CIELCh color **77, 31.864, 199.092** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **56, 47.068, 26.721**, 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, 31.757, 199.728** is the 20% darker color. If you saturate the color by 10%, you get **76, 35.664, 198.958**, and if you desaturate by 10%, it is **78, 27.185, 199.310**.

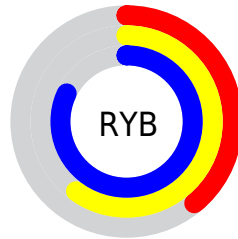
Distribution



Red (39%)

Green (81%)

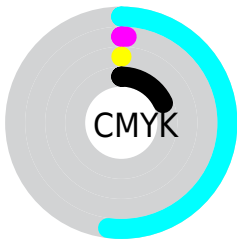
Blue (82%)



Red (39%)

Yellow (60%)

Blue (82%)

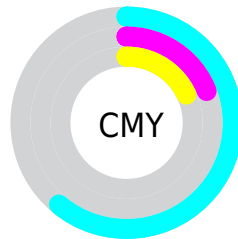


Cyan (52%)

Magenta (1%)

Yellow (0%)

Black (18%)



Cyan (61%)


Magenta (19%)


Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 31.864, 199.092 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, 31.864, 199.092 by changing the saturation by 10% instead.


 77, 31.864,
199.092


 77, 31.864,
199.092


 100, 31.864,
199.092


 67, 31.864,
199.092


 97, 31.864,
199.092

 57, 31.864,
199.092

 47, 31.864,
199.092

 37, 31.864,
199.092

 27, 31.864,
199.092

 17, 31.864,
199.092

 7, 31.864, 199.092

0, 31.864, 199.092

77, 31.864,
199.092

77, 31.864,
199.092

76, 35.664,
198.958

78, 27.185,
199.310

76, 38.534,
198.920

79, 21.716,
199.611

75, 40.471,
198.979

80, 15.567,
199.986

75, 41.536,
199.135

82, 8.858, 200.438

75, 41.921,
199.305

83, 1.705, 201.180

85, 5.781, 21.258

87, 13.504, 21.855

■ 88, 17.144, 22.473

■ 88, 17.011, 23.135

Harmonies

Complementary

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



77, 31.864, 199.092



56, 47.068, 26.721

Rectangle

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



77, 31.864, 199.092



77, 31.864, 249.092



77, 31.864, 19.092



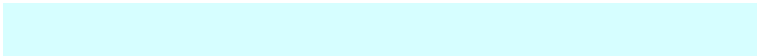
77, 31.864, 69.092

Sweetspot

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



77, 31.864, 199.090



97, 13.412, 200.252



75, 68.388, 140.516



51, 8.998, 200.159



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, 31.864, 199.090



91, 42.081, 198.947



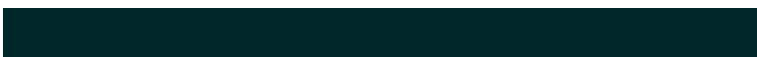
61, 34.254, 267.394



43, 4.126, 200.590



62, 35.782, 199.260



14, 13.749, 198.690

Inverse Universe

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



59, 67.839, 327.678



67, 92.707, 328.144



68, 39.213, 70.500



41, 7.598, 325.428



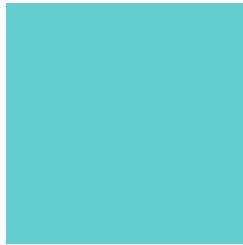
40, 83.463, 328.968



6, 30.685, 328.416

Previews

White Background



This preview shows how the CIELCh color 77, 31.864, 199.092 looks on a white background.

Color Contrast Check

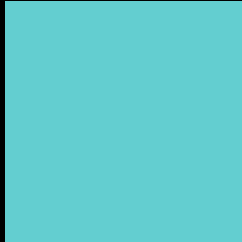
Large Text (above 18pt) WCAG AA × Fail

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, 31.864, 199.092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

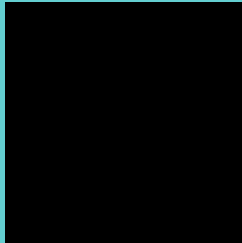
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

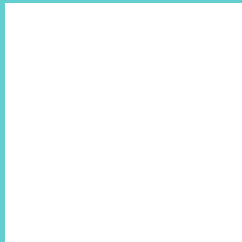
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 31.864, 199.092

Background



This preview shows how black text looks on a background with the CIELCh color 77, 31.864, 199.092.

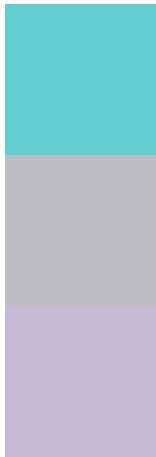


This preview shows how white text looks on a background with the CIELCh color 77, 31.864, 199.092.

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, 31.864, 199.092

Protanopia
77, 4.910, 299.144

Deuteranopia
77, 16.248, 306.687



Tritanopia
77, 30.130, 215.285

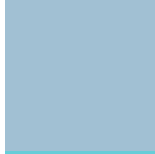
Trichromacy



Original Color
77, 31.864, 199.092



Protanomaly
76, 13.365, 212.541



Deuteranomaly
76, 14.389, 244.395

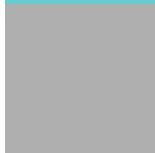


Tritanomaly
77, 30.592, 208.576

Monochromacy



Original Color
77, 31.864, 199.092



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 13.625, 200.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 31.864, 199.092 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, 206, 208)` looks like.

```
.text, #text, p{  
    color:rgb(99, 206, 208)  
}
```

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, 206, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 206, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 31.864, 199.092 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, 206, 208) }
```

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

```
.border{ border-color:rgb(99, 206, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 206, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 206, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 206, 208);  
box-shadow:4px 4px 4px 4px rgb(99, 206,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 31.864, 199.092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 206, 208) }
```

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

```
.background{ background-color: rgb(99, 206,  
208) }
```

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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