

Converting Colors

CIELCh(77, 23.926, 197.723)

Have a look what the booklet for
CIELCh(77, 23.926, 197.723)
contains.

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Color

CIELCh(77, 24.037, 197.659)

Conversions

Conversions Part 1

Format	Color
Hex	81CBCB
RGB	129, 203, 203
RGB Percent	51%, 80%, 80%
CMY	0.4951, 0.2050, 0.2050
CMYK	0.36, 0.00, 0.00, 0.20
HSL	180°, 41%, 65%
HSV	180°, 36%, 80%
XYZ	41.0542, 51.5317, 64.1174
YIQ	180.8740, -44.1040, -15.6880

Conversions

Conversions Part 2

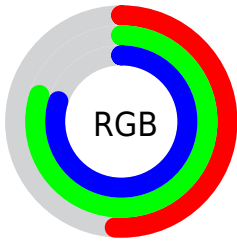
Format	Color
RYB	129, 166, 203
Decimal	8506315
CIELab	77.00, -22.90, -7.29
CIELCh	77, 24.037, 197.659
Yxy	51.5317, 0.2620, 0.3288
Android (android.graphics.Color)	4286696395 (0xFF81CBCB)
YUV	180.8740, 10.9081, -45.4935
Hunter-Lab	71.7856, -23.5406, -2.7066

Details

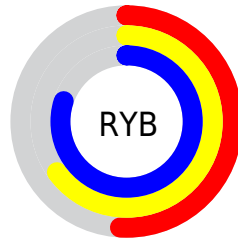
The CIELCh color **77, 24.037, 197.659** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 31.010, 22.761**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **57, 24.235, 197.199** is the 20% darker color. If you saturate the color by 10%, you get **76, 29.190, 197.286**, and if you desaturate by 10%, it is **78, 18.166, 198.087**.

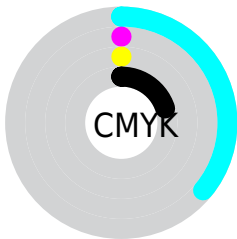
Distribution



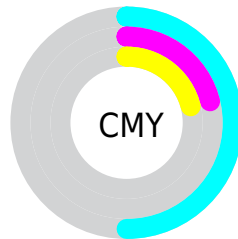
- Red (51%)
- Green (80%)
- Blue (80%)



- Red (51%)
- Yellow (65%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 24.037, 197.659 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, 24.037, 197.659 by changing the saturation by 10% instead.

 77, 24.037,
197.659

 77, 24.037,
197.659

 100, 24.037,
197.659

 67, 24.037,
197.659

 97, 24.037,
197.659

 57, 24.037,
197.659

 47, 24.037,
197.659

 37, 24.037,
197.659

 27, 24.037,
197.659

 17, 24.037,
197.659

 7, 24.037, 197.659

0, 24.037, 197.659

77, 24.037,
197.659

77, 24.037,
197.659

76, 29.190,
197.286

78, 18.166,
198.087

75, 33.524,
196.981

79, 11.690,
198.578

75, 36.968,
196.741

81, 4.729, 199.166

82, 2.604, 19.389

75, 39.495,
196.567

84, 10.208, 20.130

74, 41.127,
196.456

86, 17.994, 20.757

74, 41.962,
196.399

86, 19.785, 20.899

■ 74, 42.162,
196.385

■ 86, 19.785, 20.899

■ 86, 19.785, 20.898

Harmonies

Complementary

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



77, 24.037, 197.659



62, 31.010, 22.761

Rectangle

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



77, 24.037, 197.659



77, 24.037, 247.659



77, 24.037, 17.659



77, 24.037, 67.659

Sweetspot

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



77, 24.037, 197.656



98, 9.530, 198.872



75, 47.969, 141.385



52, 6.380, 198.794



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, 24.037, 197.656



94, 33.599, 197.352



67, 22.784, 259.597



42, 4.119, 198.976



62, 36.301, 196.385



13, 13.514, 196.385

Inverse Universe

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



62, 31.010, 22.761



71, 46.254, 24.066



70, 25.532, 69.161



40, 4.369, 19.924



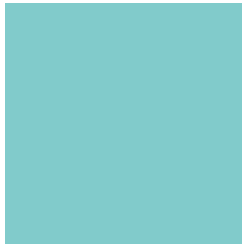
34, 75.553, 39.823



4, 17.910, 19.404

Previews

White Background



This preview shows how the CIELCh color 77, 24.037, 197.659 looks on a white background.

Color Contrast Check

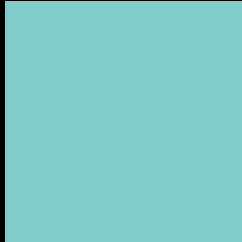
Large Text (above 18pt) WCAG AA × Fail

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, 24.037, 197.659 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

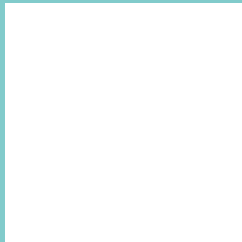
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 24.037, 197.659

Background



This preview shows how black text looks on a background with the CIELCh color 77, 24.037, 197.659.

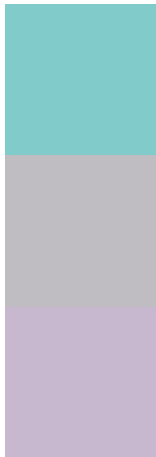


This preview shows how white text looks on a background with the CIELCh color 77, 24.037, 197.659.

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](#).

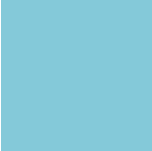
Dichromacy



Original Color
77, 24.037, 197.659

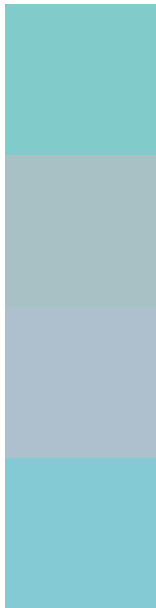
Protanopia
77, 3.428, 309.168

Deuteranopia
77, 13.713, 316.047



Tritanopia
77, 23.050, 220.030

Trichromacy



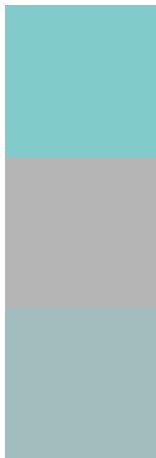
Original Color
77, 24.037, 197.659

Protanomaly
76, 9.033, 212.637

Deuteranomaly
76, 9.469, 252.002

Tritanomaly
77, 23.052, 211.421

Monochromacy



Original Color
77, 24.037, 197.659

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 9.624, 198.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 24.037, 197.659 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(129, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(129, 203, 203)  
}
```

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(129, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 203, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 24.037, 197.659 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(129, 203, 203) }
```

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

```
.border{ border-color:rgb(129, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(129, 203,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 24.037, 197.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 203, 203) }
```

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

```
.background{ background-color: rgb(129,  
203, 203) }
```

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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