

Converting Colors

CIELCh(77, 22.087, 160.461)

Have a look what the booklet for
CIELCh(77, 22.087, 160.461)
contains.

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Color

CIELCh(77, 22.107, 160.450)

Conversions

Conversions Part 1

Format	Color
Hex	99C9B0
RGB	153, 201, 176
RGB Percent	60%, 79%, 69%
CMY	0.4009, 0.2127, 0.3107
CMYK	0.24, 0.00, 0.12, 0.21
HSL	149°, 31%, 69%
HSV	149°, 24%, 79%
XYZ	41.7331, 51.5317, 48.6961
YIQ	183.7980, -20.5830, -17.9510

Conversions

Conversions Part 2

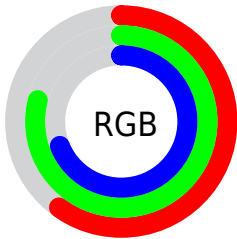
Format	Color
RYB	153, 185, 201
Decimal	10078640
CIELab	77.00, -20.83, 7.40
CIElCh	77, 22.107, 160.450
Yxy	51.5317, 0.2940, 0.3630
Android (android.graphics.Color)	4288268720 (0xFF99C9B0)
YUV	183.7980, -3.8444, -27.0098
Hunter-Lab	71.7856, -21.8526, 10.0303

Details

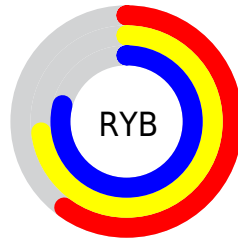
The CIELCh color **77, 22.107, 160.450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 22.708, 344.628**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 20.249, 162.608**, and **57, 21.990, 160.815** is the 20% darker color. If you saturate the color by 10%, you get **76, 31.138, 159.375**, and if you desaturate by 10%, it is **79, 12.891, 161.413**.

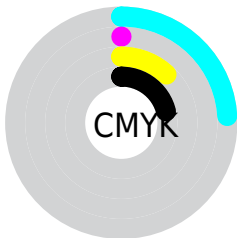
Distribution



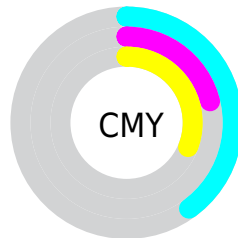
- Red (60%)
- Green (79%)
- Blue (69%)



- Red (60%)
- Yellow (73%)
- Blue (79%)



- Cyan (24%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)



- Cyan (40%)
- Magenta (21%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 22.107, 160.450 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, 22.107, 160.450 by changing the saturation by 10% instead.

 77, 22.107,
160.450

 77, 22.107,
160.450


 100, 22.107,
160.450


 67, 22.107,
160.450


 97, 22.107,
160.450

 57, 22.107,
160.450

 47, 22.107,
160.450

 37, 22.107,
160.450

 27, 22.107,
160.450

 17, 22.107,
160.450

 7, 22.107, 160.450

■ 0, 22.107, 160.450

■ 77, 22.107,
160.450

■ 77, 22.107,
160.450

■ 76, 31.138,
159.375

■ 79, 12.891,
161.413

■ 75, 39.832,
158.164

■ 80, 3.612, 162.346

■ 74, 48.033,
156.791

■ 82, 5.625, 342.936

■ 84, 14.741,
343.683

■ 73, 55.588,
155.231

■ 86, 23.678,
344.339

■ 72, 62.371,
153.467

■ 87, 27.568,
335.972

■ 72, 68.305,
151.491

■ 87, 31.532,

■ 71, 73.388,
149.323

328.876

■ 71, 76.182,
147.982

■ 87, 34.021,
325.608

Harmonies

Complementary

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



77, 22.107, 160.450



68, 22.708, 344.628

Rectangle

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



77, 22.107, 160.450



77, 22.107, 210.450



77, 22.107, 340.450



77, 22.107, 30.450

Sweetspot

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



77, 22.109, 160.449



99, 7.871, 162.033



78, 26.882, 126.776



52, 5.115, 161.977



0, 0.000, 0.000



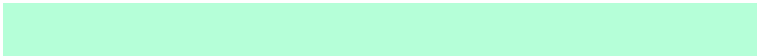
53, 0.007, 296.813

Same Dimension

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



77, 22.109, 160.449



94, 32.460, 159.873



78, 16.519, 195.199



41, 5.215, 161.825



59, 64.819, 148.355



11, 20.384, 155.034

Inverse Universe

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



68, 22.708, 344.628



82, 33.531, 345.195



68, 19.173, 18.624



39, 5.275, 343.266



35, 60.994, 359.622



4, 18.068, 351.709

Previews

White Background



This preview shows how the CIELCh color 77, 22.107, 160.450 looks on a white background.

Color Contrast Check

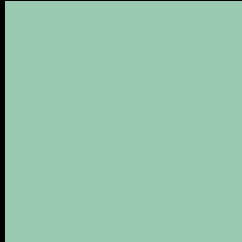
Large Text (above 18pt) WCAG AA × Fail

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, 22.107, 160.450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

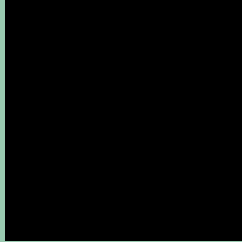
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

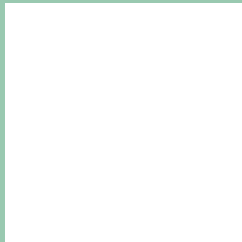
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 22.107, 160.450

Background



This preview shows how black text looks on a background with the CIELCh color 77, 22.107, 160.450.



This preview shows how white text looks on a background with the CIELCh color 77, 22.107, 160.450.

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, 22.107, 160.450

Protanopia
77, 10.732, 90.295

Deuteranopia
77, 11.359, 31.057



Tritanopia
77, 14.349, 232.995

Trichromacy



Original Color
77, 22.107, 160.450

Protanomaly
77, 12.010, 129.434

Deuteranomaly
76, 5.898, 105.942

Tritanomaly
77, 14.207, 198.366

Monochromacy



Original Color
77, 22.107, 160.450

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 7.976, 161.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 22.107, 160.450 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(153, 201, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 201, 176)  
}
```

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(153, 201, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 201, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 22.107, 160.450 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(153, 201, 176) }
```

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

```
.border{ border-color:rgb(153, 201, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 201, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 201, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 201, 176); box-shadow:4px 4px 4px 4px rgb(153, 201, 176) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 22.107, 160.450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 201, 176) }
```

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

```
.background{ background-color: rgb(153,  
201, 176) }
```

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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