

Converting Colors

CIELCh(77, 23.752, 217.192)

Have a look what the booklet for
CIELCh(77, 23.752, 217.192)
contains.

CIELCh(77, 23.678, 217.957)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 23.678, 217.957)

Conversions

Conversions Part 1

Format	Color
Hex	81C9D8
RGB	129, 201, 216
RGB Percent	51%, 79%, 85%
CMY	0.4932, 0.2109, 0.1520
CMYK	0.40, 0.07, 0.00, 0.15
HSL	190°, 53%, 68%
HSV	190°, 40%, 85%
XYZ	42.4498, 51.5317, 72.8287
YIQ	181.1820, -47.7270, -10.5990

Conversions

Conversions Part 2

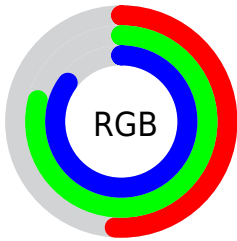
Format	Color
R _{YB}	129, 168, 216
Decimal	8505816
CIE _{Lab}	77.00, -18.67, -14.56
CIE _{LCh}	77, 23.678, 217.957
Yxy	51.5317, 0.2545, 0.3089
Android (android.graphics.Color)	4286695896 (0xFF81C9D8)
YUV	181.1820, 17.1653, -45.7636
Hunter-Lab	71.7856, -20.0705, -9.9016

Details

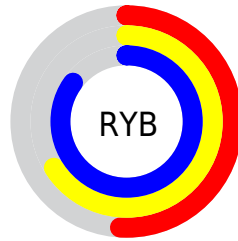
The CIELCh color **77, 23.678, 217.957** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **67, 31.865, 36.907**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 22.558, 198.027**, and **57, 23.777, 217.326** is the 20% darker color. If you saturate the color by 10%, you get **75, 28.117, 218.901**, and if you desaturate by 10%, it is **79, 18.559, 217.281**.

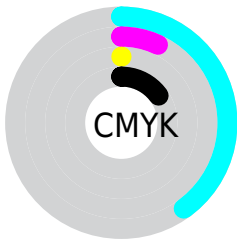
Distribution



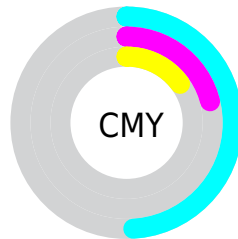
- Red (51%)
- Green (79%)
- Blue (85%)



- Red (51%)
- Yellow (66%)
- Blue (85%)



- Cyan (40%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)




- Cyan (49%)
- Magenta (21%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 23.678, 217.957 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, 23.678, 217.957 by changing the saturation by 10% instead.


 77, 23.678,
217.957

 77, 23.678,
217.957


 100, 23.678,
217.957


 67, 23.678,
217.957


 97, 23.678,
217.957

 57, 23.678,
217.957

 47, 23.678,
217.957

 37, 23.678,
217.957

 27, 23.678,
217.957

 17, 23.678,
217.957

 7, 23.678, 217.957

0, 23.678, 217.957

77, 23.678,
217.957

77, 23.678,
217.957

75, 28.117,
218.901

79, 18.559,
217.281

73, 31.786,
220.184

81, 12.865,
216.830

71, 34.626,
221.874

84, 6.700, 216.576

70, 36.624,
224.049

86, 0.160, 219.956

69, 37.838,
226.774

89, 6.667, 36.181

67, 38.473,
229.925

91, 12.267, 38.102

92, 11.764, 48.918

■ 93, 11.714, 60.233

■ 94, 12.119, 71.185

Harmonies

Complementary

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



77, 23.678, 217.957



67, 31.865, 36.907

Rectangle

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



77, 23.678, 217.957



77, 23.678, 267.957



77, 23.678, 37.957



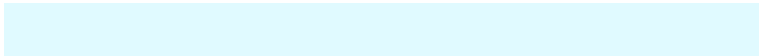
77, 23.678, 87.957

Sweetspot

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



77, 23.678, 217.954



97, 8.933, 216.608



80, 49.738, 146.115



51, 5.904, 216.634



0, 0.000, 0.000



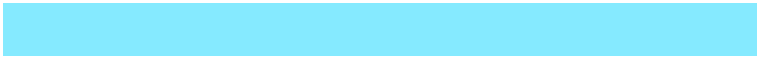
53, 0.007, 296.813

Same Dimension

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



77, 23.678, 217.954



87, 31.007, 218.709



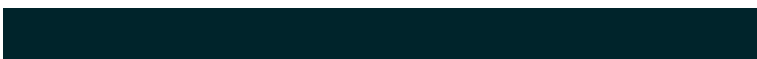
65, 33.034, 277.915



44, 3.694, 216.566



54, 32.266, 229.319



12, 12.691, 222.546

Inverse Universe

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



65, 49.587, 332.132



72, 66.726, 332.684



77, 33.268, 85.861



42, 6.965, 330.128



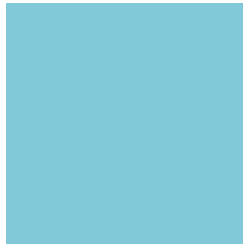
39, 74.896, 336.467



6, 29.031, 334.603

Previews

White Background



This preview shows how the CIELCh color 77, 23.678, 217.957 looks on a white background.

Color Contrast Check

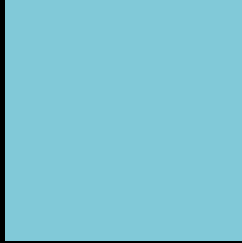
Large Text (above 18pt) WCAG AA × Fail

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, 23.678, 217.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

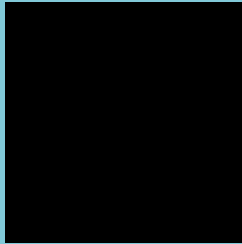
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 23.678, 217.957

Background



This preview shows how black text looks on a background with the CIELCh color 77, 23.678, 217.957.



This preview shows how white text looks on a background with the CIELCh color 77, 23.678, 217.957.

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, 23.678, 217.957

Protanopia

77, 10.757, 289.294

Deuteranopia

77, 19.095, 300.220



Tritanopia
77, 23.541, 219.516

Trichromacy



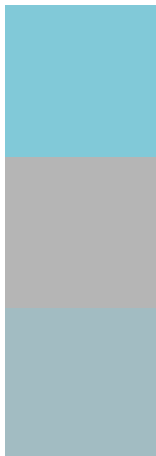
Original Color
77, 23.678, 217.957

Protanomaly
77, 13.136, 246.605

Deuteranomaly
77, 16.420, 266.096

Tritanomaly
77, 23.541, 219.516

Monochromacy



Original Color
77, 23.678, 217.957

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 9.632, 218.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 23.678, 217.957 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, 201, 216)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 216)  
}
```

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, 201, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 23.678, 217.957 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, 201, 216) }
```

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

```
.border{ border-color:rgb(129, 201, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 201, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 201, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 201, 216); box-shadow:4px 4px 4px 4px rgb(129, 201, 216) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 23.678, 217.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 201, 216) }
```

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

```
.background{ background-color: rgb(129,  
201, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor