

Converting Colors

CIELCh(77, 22.759, 216.336)

Have a look what the booklet for
CIELCh(77, 22.759, 216.336)
contains.

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Color

CIELCh(77, 22.735, 215.952)

Conversions

Conversions Part 1

Format	Color
Hex	84C9D6
RGB	132, 201, 214
RGB Percent	52%, 79%, 84%
CMY	0.4824, 0.2118, 0.1608
CMYK	0.38, 0.06, 0.00, 0.16
HSL	190°, 50%, 68%
HSV	190°, 38%, 84%
XYZ	42.5382, 51.5317, 71.3206
YIQ	181.8510, -45.2970, -10.5850

Conversions

Conversions Part 2

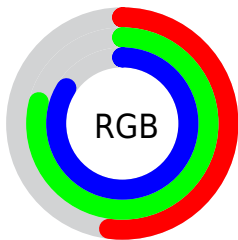
Format	Color
R _{YB}	132, 169, 214
Decimal	8702422
CIE Lab	77.00, -18.40, -13.35
CIE LCh	77, 22.735, 215.952
Yxy	51.5317, 0.2572, 0.3116
Android (android.graphics.Color)	4286892502 (0xFF84C9D6)
YUV	181.8510, 15.8495, -43.7193
Hunter-Lab	71.7856, -19.8506, -8.6560

Details

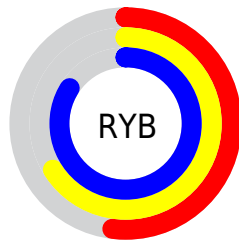
The CIELCh color $77, 22.735, 215.952$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $67, 30.132, 35.552$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 21.687, 198.082$, and $57, 22.765, 215.204$ is the 20% darker color. If you saturate the color by 10%, you get $75, 27.294, 216.721$, and if you desaturate by 10%, it is $79, 17.508, 215.420$.

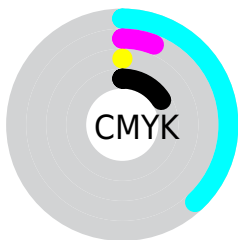
Distribution



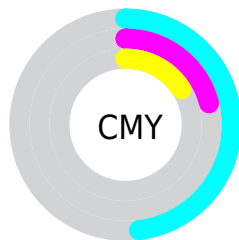
- Red (52%)
- Green (79%)
- Blue (84%)



- Red (52%)
- Yellow (66%)
- Blue (84%)



- Cyan (38%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)





- Cyan (48%)
- Magenta (21%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 22.735, 215.952 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, 22.735, 215.952 by changing the saturation by 10% instead.


 77, 22.735,
215.952


 77, 22.735,
215.952


 100, 22.735,
215.952


 67, 22.735,
215.952


 97, 22.735,
215.952

 57, 22.735,
215.952

 47, 22.735,
215.952

 37, 22.735,
215.952

 27, 22.735,
215.952

 17, 22.735,
215.952

 7, 22.735, 215.952

0, 22.735, 215.952

77, 22.735,
215.952

77, 22.735,
215.952

75, 27.294,
216.721

79, 17.508,
215.420

73, 31.090,
217.792

81, 11.719,
215.092

72, 34.054,
219.226

84, 5.474, 214.955

86, 1.132, 34.261

70, 36.159,
221.093

89, 8.012, 34.716

69, 37.445,
223.459

91, 13.107, 36.973

68, 38.061,
226.336

92, 12.574, 46.100

■ 68, 38.146,
226.840

■ 92, 12.389, 55.749

■ 93, 12.564, 65.388

Harmonies

Complementary

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



77, 22.735, 215.952



67, 30.132, 35.552

Rectangle

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



77, 22.735, 215.952



77, 22.735, 265.952



77, 22.735, 35.952



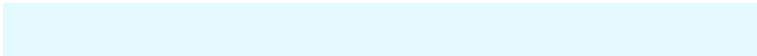
77, 22.735, 85.952

Sweetspot

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



77, 22.735, 215.949



97, 8.285, 214.970



79, 47.613, 145.800



51, 5.546, 214.985



0, 0.000, 0.000



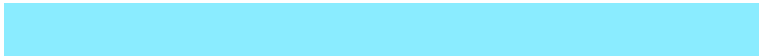
53, 0.007, 296.813

Same Dimension

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



77, 22.735, 215.949



88, 30.251, 216.557



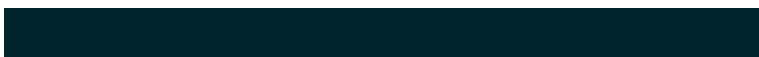
66, 30.484, 276.181



44, 3.727, 214.958



55, 32.257, 226.308



12, 12.744, 220.146

Inverse Universe

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



66, 47.374, 331.501



73, 64.805, 332.030



77, 30.967, 84.740



42, 7.033, 329.660



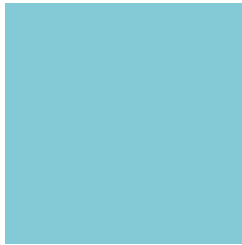
39, 75.689, 335.685



6, 29.331, 333.988

Previews

White Background



This preview shows how the CIELCh color 77, 22.735, 215.952 looks on a white background.

Color Contrast Check

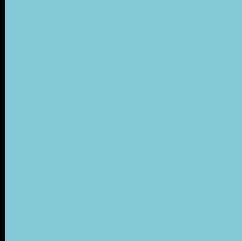
Large Text (above 18pt) WCAG AA × Fail

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, 22.735, 215.952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

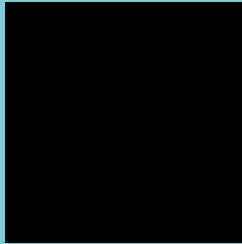
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

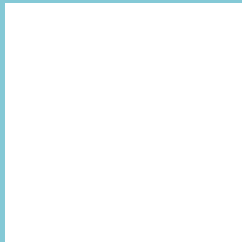
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 22.735, 215.952

Background



This preview shows how black text looks on a background with the CIELCh color 77, 22.735, 215.952.



This preview shows how white text looks on a background with the CIELCh color 77, 22.735, 215.952.

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](#).

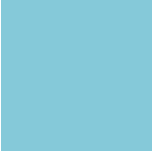
Dichromacy



Original Color
77, 22.735, 215.952

Protanopia
77, 9.682, 291.076

Deuteranopia
77, 17.565, 302.033



Tritanopia
77, 22.802, 220.297

Trichromacy



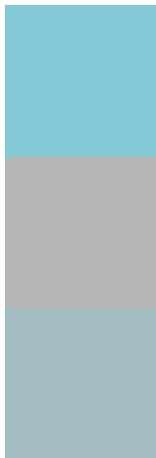
Original Color
77, 22.735, 215.952

Protanomaly
77, 11.965, 245.109

Deuteranomaly
77, 14.868, 264.271

Tritanomaly
77, 22.683, 218.938

Monochromacy



Original Color
77, 22.735, 215.952

Achromatopsia
74, 0.009, 296.813

Achromatomaly
75, 9.169, 215.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 22.735, 215.952 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(132, 201, 214)` looks like.

```
.text, #text, p{  
    color:rgb(132, 201, 214)  
}
```

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(132, 201, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 201, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 22.735, 215.952 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(132, 201, 214) }
```

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

```
.border{ border-color:rgb(132, 201, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 201, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 201, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 201, 214);  
box-shadow:4px 4px 4px 4px rgb(132, 201,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 22.735, 215.952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 201, 214) }
```

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

```
.background{ background-color: rgb(132,  
201, 214) }
```

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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