

Converting Colors

CIELCh(77, 21.380, 228.912)

Have a look what the booklet for
CIELCh(77, 21.380, 228.912)
contains.

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Color

CIELCh(77, 21.269, 228.789)

Conversions

Conversions Part 1

Format	Color
Hex	8CC7DB
RGB	140, 199, 219
RGB Percent	55%, 78%, 86%
CMY	0.4510, 0.2196, 0.1412
CMYK	0.36, 0.09, 0.00, 0.14
HSL	195°, 52%, 70%
HSV	195°, 36%, 86%
XYZ	44.0204, 51.5317, 74.6382
YIQ	183.6390, -41.5840, -6.2880

Conversions

Conversions Part 2

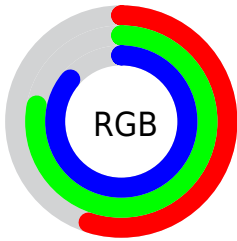
Format	Color
RYB	140, 174, 219
Decimal	9226203
CIELab	77.00, -14.01, -16.00
CIELCh	77, 21.269, 228.789
Yxy	51.5317, 0.2587, 0.3028
Android (android.graphics.Color)	4287416283 (0xFF8CC7DB)
YUV	183.6390, 17.4330, -38.2714
Hunter-Lab	71.7856, -16.1650, -11.3961

Details

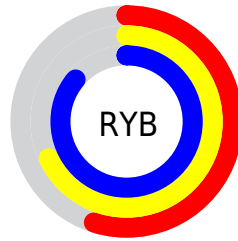
The CIELCh color **77, 21.269, 228.789** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 27.122, 44.620**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.314, 198.231**, and **57, 21.229, 228.921** is the 20% darker color. If you saturate the color by 10%, you get **74, 26.076, 230.256**, and if you desaturate by 10%, it is **80, 15.913, 227.660**.

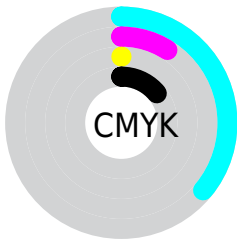
Distribution



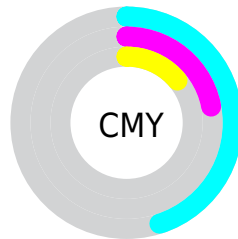
- Red (55%)
- Green (78%)
- Blue (86%)



- Red (55%)
- Yellow (68%)
- Blue (86%)



- Cyan (36%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)





- Cyan (45%)
- Magenta (22%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 21.269, 228.789 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, 21.269, 228.789 by changing the saturation by 10% instead.

 77, 21.269,
228.789

 77, 21.269,
228.789


 100, 21.269,
228.789


 67, 21.269,
228.789


 97, 21.269,
228.789

 57, 21.269,
228.789

 47, 21.269,
228.789

 37, 21.269,
228.789

 27, 21.269,
228.789

 17, 21.269,
228.789

 7, 21.269, 228.789

0, 21.269, 228.789

77, 21.269,
228.789

77, 21.269,
228.789

74, 26.076,
230.256

80, 15.913,
227.660

72, 30.257,
232.151

83, 10.097,
226.815

70, 33.756,
234.562

86, 3.909, 226.251

89, 2.572, 45.402

67, 36.566,
237.582

92, 9.277, 45.203

65, 38.743,
241.282

94, 10.818, 58.685

64, 40.432,
245.670

95, 11.529, 75.986

■ 63, 41.061,
247.474

■ 96, 13.133, 90.090

■ 98, 15.343,
100.565

Harmonies

Complementary

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



77, 21.269, 228.789



71, 27.122, 44.620

Rectangle

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



77, 21.269, 228.789



77, 21.269, 278.789



77, 21.269, 48.789



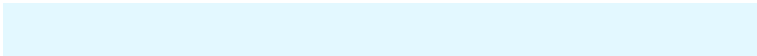
77, 21.269, 98.789

Sweetspot

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



77, 21.269, 228.786



96, 7.918, 226.491



81, 42.484, 149.365



51, 5.302, 226.573



0, 0.000, 0.000



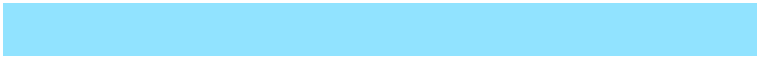
53, 0.007, 296.813

Same Dimension

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



77, 21.269, 228.786



86, 27.860, 229.820



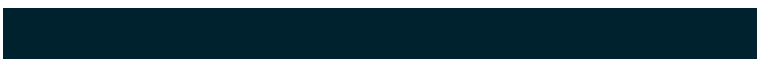
66, 33.138, 282.810



45, 3.630, 226.399



51, 34.339, 246.654



12, 13.278, 237.441

Inverse Universe

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



68, 42.688, 334.969



74, 57.121, 335.541



81, 32.240, 92.787



43, 6.705, 333.042



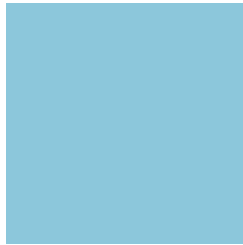
39, 71.386, 341.492



6, 28.928, 338.696

Previews

White Background



This preview shows how the CIE LCh color 77, 21.269, 228.789 looks on a white background.

Color Contrast Check

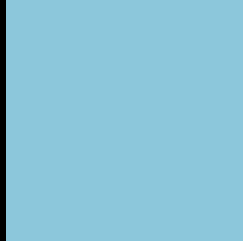
Large Text (above 18pt) WCAG AA × Fail

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, 21.269, 228.789 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, 21.269, 228.789

Background



This preview shows how black text looks on a background with the CIELCh color 77, 21.269, 228.789.



This preview shows how white text looks on a background with the CIELCh color 77, 21.269, 228.789.

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, 21.269, 228.789

Protanopia

77, 12.913, 288.268

Deuteranopia

77, 20.111, 298.860



Tritanopia
77, 21.047, 222.396

Trichromacy



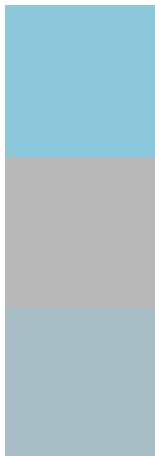
Original Color
77, 21.269, 228.789

Protanomaly
77, 14.405, 258.540

Deuteranomaly
77, 17.453, 272.606

Tritanomaly
77, 21.203, 223.829

Monochromacy



Original Color
77, 21.269, 228.789

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 8.480, 229.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 21.269, 228.789 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(140, 199, 219)` looks like.

```
.text, #text, p{  
    color:rgb(140, 199, 219)  
}
```

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(140, 199, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 199, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 21.269, 228.789 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(140, 199, 219) }
```

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

```
.border{ border-color:rgb(140, 199, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 199, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 199, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 199, 219);  
box-shadow:4px 4px 4px 4px rgb(140, 199,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 21.269, 228.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 199, 219) }
```

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

```
.background{ background-color: rgb(140,  
199, 219) }
```

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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