

Converting Colors

CIELCh(77, 29.844, 209.798)

Have a look what the booklet for
CIELCh(77, 29.844, 209.798)
contains.

CIELCh(77, 29.971, 209.926)	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, 29.971, 209.926)

Conversions

Conversions Part 1

Format	Color
Hex	69CDD9
RGB	105, 205, 217
RGB Percent	41%, 80%, 85%
CMY	0.5892, 0.1970, 0.1500
CMYK	0.52, 0.06, 0.00, 0.15
HSL	186°, 59%, 63%
HSV	186°, 52%, 85%
XYZ	40.0617, 51.5317, 73.3149
YIQ	176.4680, -63.4520, -17.4680

Conversions

Conversions Part 2

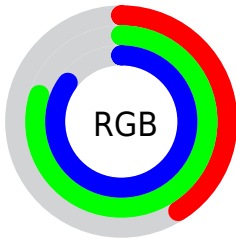
Format	Color
RYB	105, 158, 217
Decimal	6933977
CIELab	77.00, -25.97, -14.95
CIElCh	77, 29.971, 209.926
Yxy	51.5317, 0.2429, 0.3125
Android (android.graphics.Color)	4285124057 (0xFF69CDD9)
YUV	176.4680, 19.9823, -62.6774
Hunter-Lab	71.7856, -26.0085, -10.3031

Details

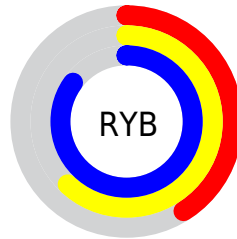
The CIELCh color **77, 29.971, 209.926** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 44.870, 32.593**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **57, 29.912, 210.292** is the 20% darker color. If you saturate the color by 10%, you get **76, 33.590, 210.575**, and if you desaturate by 10%, it is **79, 25.500, 209.499**.

Distribution



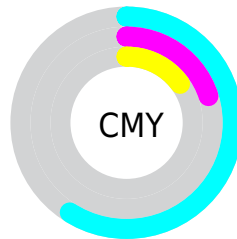
- Red (41%)
- Green (80%)
- Blue (85%)



- Red (41%)
- Yellow (62%)
- Blue (85%)



- Cyan (52%)
- Magenta (6%)
- Yellow (0%)
- Black (15%)



- Cyan (59%)
- Magenta (20%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 29.971, 209.926 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, 29.971, 209.926 by changing the saturation by 10% instead.

 77, 29.971,
209.926

 77, 29.971,
209.926


 100, 29.971,
209.926


 67, 29.971,
209.926


 97, 29.971,
209.926

 57, 29.971,
209.926

 47, 29.971,
209.926

 37, 29.971,
209.926

 27, 29.971,
209.926

 17, 29.971,
209.926

 7, 29.971, 209.926

0, 29.971, 209.926

77, 29.971,
209.926

77, 29.971,
209.926

76, 33.590,
210.575

79, 25.500,
209.499

74, 36.297,
211.494

80, 20.273,
209.262

73, 38.077,
212.724

82, 14.401,
209.182

72, 38.986,
214.305

84, 7.999, 209.244

72, 39.250,
215.861

86, 1.177, 209.796

89, 5.966, 29.394

91, 12.793, 30.079

■ 91, 12.228, 36.182

■ 92, 11.816, 42.789

Harmonies

Complementary

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



77, 29.971, 209.926



60, 44.870, 32.593

Rectangle

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



77, 29.971, 209.926



77, 29.971, 259.926



77, 29.971, 29.926



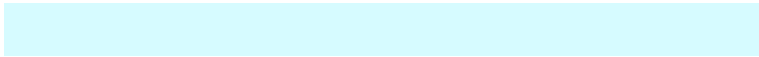
77, 29.971, 79.926

Sweetspot

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



77, 29.971, 209.924



96, 12.345, 209.198



78, 66.108, 142.797



51, 8.281, 209.187



0, 0.000, 0.000



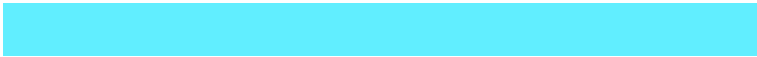
53, 0.007, 296.813

Same Dimension

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



77, 29.971, 209.924



87, 38.290, 210.646



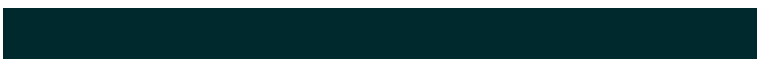
61, 39.142, 275.361



45, 3.950, 209.281



58, 33.267, 215.530



14, 13.554, 211.861

Inverse Universe

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



61, 65.308, 330.516



66, 86.314, 331.123



73, 41.402, 78.446



43, 7.434, 328.011



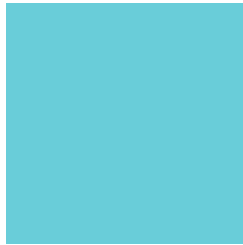
40, 79.607, 332.989



7, 32.060, 332.018

Previews

White Background



This preview shows how the CIE LCh color 77, 29.971, 209.926 looks on a white background.

Color Contrast Check

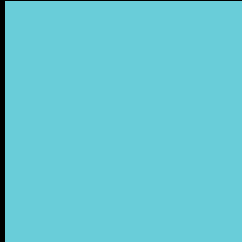
Large Text (above 18pt) WCAG AA × Fail

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, 29.971, 209.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

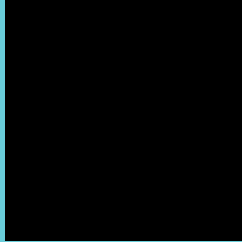
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 29.971, 209.926

Background



This preview shows how black text looks on a background with the CIELCh color 77, 29.971, 209.926.



This preview shows how white text looks on a background with the CIELCh color 77, 29.971, 209.926.

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





Tritanopia
77, 29.726, 215.561

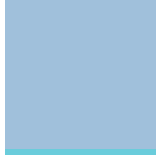
Trichromacy



Original Color
77, 29.971, 209.926



Protanomaly
76, 14.887, 234.174



Deuteranomaly
76, 17.657, 254.672

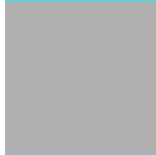


Tritanomaly
77, 29.620, 213.403

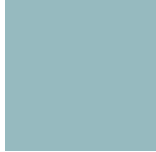
Monochromacy



Original Color
77, 29.971, 209.926



Achromatopsia
72, 0.009, 296.813



Achromatomaly
73, 12.732, 210.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 29.971, 209.926 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(105, 205, 217)` looks like.

```
.text, #text, p{  
    color:rgb(105, 205, 217)  
}
```

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(105, 205, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 205, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 29.971, 209.926 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(105, 205, 217) }
```

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

```
.border{ border-color:rgb(105, 205, 217) }
```

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

Here you see how a box with a 4 pixel rgb(105, 205, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 205, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 205, 217);  
box-shadow:4px 4px 4px 4px rgb(105, 205,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 29.971, 209.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 205, 217) }
```

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

```
.background{ background-color: rgb(105,  
205, 217) }
```

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