

Converting Colors

CIELCh(78, 28.369, 216.635)

Have a look what the booklet for
CIELCh(78, 28.369, 216.635)
contains.

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Color

CIELCh(78, 28.271, 216.586)

Conversions

Conversions Part 1

Format	Color
Hex	73CEDF
RGB	115, 206, 223
RGB Percent	45%, 81%, 87%
CMY	0.5483, 0.1915, 0.1249
CMYK	0.48, 0.08, 0.00, 0.12
HSL	189°, 63%, 66%
HSV	189°, 48%, 88%
XYZ	42.5429, 53.2120, 77.9546
YIQ	180.7290, -59.6930, -14.0050

Conversions

Conversions Part 2

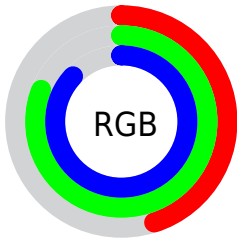
Format	Color
RYB	115, 164, 223
Decimal	7589599
CIELab	78.00, -22.70, -16.85
CIElCh	78, 28.271, 216.586
Yxy	53.2120, 0.2449, 0.3063
Android (android.graphics.Color)	4285779679 (0xFF73CEDF)
YUV	180.7290, 20.8396, -57.6443
Hunter-Lab	72.9466, -23.5542, -12.2979

Details

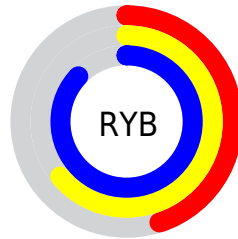
The CIELCh color **78, 28.271, 216.586** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **65, 41.049, 36.159**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.937, 197.818**, and **58, 28.355, 216.085** is the 20% darker color. If you saturate the color by 10%, you get **76, 32.181, 217.653**, and if you desaturate by 10%, it is **80, 23.565, 215.814**.

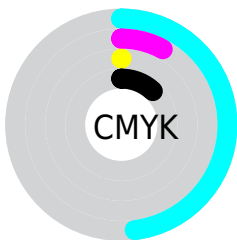
Distribution



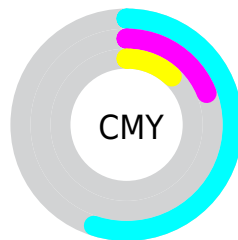
- Red (45%)
- Green (81%)
- Blue (87%)



- Red (45%)
- Yellow (64%)
- Blue (87%)



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)





- Cyan (55%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 28.271, 216.586 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 78, 28.271, 216.586 by changing the saturation by 10% instead.


 78, 28.271,
216.586

 78, 28.271,
216.586


 100, 28.271,
216.586


 68, 28.271,
216.586


 98, 28.271,
216.586

 58, 28.271,
216.586

 48, 28.271,
216.586

 38, 28.271,
216.586

 28, 28.271,
216.586

 18, 28.271,
216.586

 8, 28.271, 216.586

0, 28.271, 216.586

78, 28.271,
216.586

78, 28.271,
216.586

76, 32.181,
217.653

80, 23.565,
215.814

75, 35.226,
219.087

82, 18.165,
215.289

73, 37.379,
220.954

84, 12.179,
214.964

72, 38.682,
223.321

87, 5.717, 214.829

71, 39.290,
226.203

89, 1.120, 34.119

70, 39.369,
226.686

92, 8.242, 34.600

93, 9.712, 43.503

■ 94, 9.498, 56.491

■ 95, 9.783, 69.355

Harmonies

Complementary

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



78, 28.271, 216.586



65, 41.049, 36.159

Rectangle

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



78, 28.271, 216.586



78, 28.271, 266.586



78, 28.271, 36.586



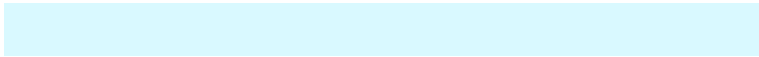
78, 28.271, 86.586

Sweetspot

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



78, 28.271, 216.584



96, 11.178, 214.896



81, 61.526, 144.652



51, 7.578, 214.938



0, 0.000, 0.000



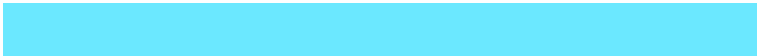
53, 0.007, 296.813

Same Dimension

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



78, 28.271, 216.584



86, 35.608, 217.658



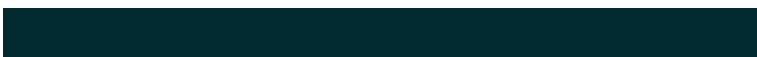
63, 40.135, 278.635



46, 3.875, 214.832



56, 32.969, 226.145



14, 13.628, 220.670

Inverse Universe

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



64, 60.982, 332.123



68, 79.238, 332.782



77, 40.799, 83.304



44, 7.314, 329.627



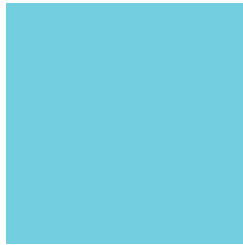
40, 77.400, 335.643



7, 32.299, 334.244

Previews

White Background



This preview shows how the CIELCh color 78, 28.271, 216.586 looks on a white background.

Color Contrast Check

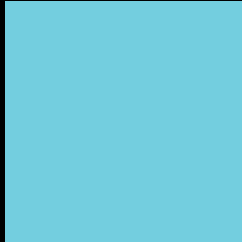
Large Text (above 18pt) WCAG AA × Fail

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 78, 28.271, 216.586 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 78, 28.271, 216.586

Background



This preview shows how black text looks on a background with the CIELCh color 78, 28.271, 216.586.



This preview shows how white text looks on a background with the CIELCh color 78, 28.271, 216.586.

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

78, 28.271, 216.586

Protanopia

78, 12.343, 289.684

Deuteranopia

78, 21.630, 297.535

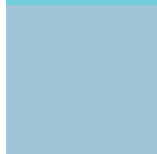


Tritanopia
78, 28.271, 216.586

Trichromacy



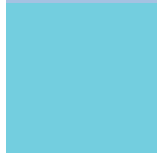
Original Color
78, 28.271, 216.586



Protanomaly
77, 15.708, 244.896



Deuteranomaly
77, 19.324, 262.228

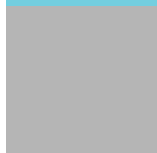


Tritanomaly
78, 28.271, 216.586

Monochromacy



Original Color
78, 28.271, 216.586



Achromatopsia
74, 0.009, 296.813



Achromatomaly
75, 11.835, 214.570

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 28.271, 216.586 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(115, 206, 223)` looks like.

```
.text, #text, p{  
    color:rgb(115, 206, 223)  
}
```

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(115, 206, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 206, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 28.271, 216.586 is called "border". The border property can be set on classes, ids or directly on the HTML element.

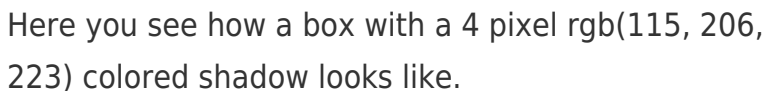
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 206, 223) }
```

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

```
.border{ border-color:rgb(115, 206, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 206, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 206, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 206, 223); box-shadow:4px 4px 4px 4px rgb(115, 206, 223) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 28.271, 216.586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 206, 223) }
```

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

```
.background{ background-color: rgb(115,  
206, 223) }
```

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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