

Converting Colors

CIELCh(78, 39.672, 217.536)

Have a look what the booklet for
CIELCh(78, 39.672, 217.536)
contains.

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Color

CIELCh(78, 39.730, 217.762)

Conversions

Conversions Part 1

Format	Color
Hex	30D3ED
RGB	48, 211, 237
RGB Percent	19%, 83%, 93%
CMY	0.8132, 0.1733, 0.0714
CMYK	0.80, 0.11, 0.00, 0.07
HSL	188°, 84%, 56%
HSV	188°, 80%, 93%
XYZ	39.7026, 53.2120, 88.1455
YIQ	165.2270, -105.4940, -26.4700

Conversions

Conversions Part 2

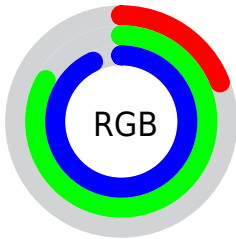
Format	Color
R _Y B	48, 136, 237
Decimal	3199981
CIE Lab	78.00, -31.41, -24.33
CIE LCh	78, 39.730, 217.762
Yxy	53.2120, 0.2193, 0.2939
Android (android.graphics.Color)	4281390061 (0xFF30D3ED)
YUV	165.2270, 35.3841, -102.8081
Hunter-Lab	72.9466, -30.5044, -20.5810

Details

The CIELCh color **78, 39.730, 217.762** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **55, 79.059, 39.218**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.280, 197.133**, and **59, 33.798, 222.068** is the 20% darker color. If you saturate the color by 10%, you get **77, 40.873, 219.859**, and if you desaturate by 10%, it is **79, 37.671, 216.113**.

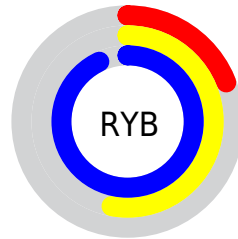
Distribution



Red (19%)

Green (83%)

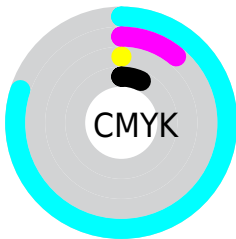
Blue (93%)



Red (19%)

Yellow (53%)

Blue (93%)

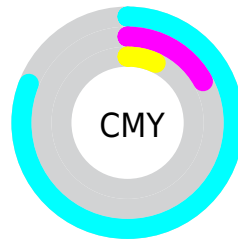


Cyan (80%)

Magenta (11%)

Yellow (0%)

Black (7%)



Cyan (81%)


Magenta (17%)


Yellow (7%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 39.730, 217.762 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, 39.730, 217.762 by changing the saturation by 10% instead.


 78, 39.730,
217.762


 78, 39.730,
217.762


 100, 39.730,
217.762


 68, 39.730,
217.762


 98, 39.730,
217.762

 58, 39.730,
217.762

 48, 39.730,
217.762

 38, 39.730,
217.762

 28, 39.730,
217.762

 18, 39.730,
217.762

 8, 39.730, 217.762

0, 39.730, 217.762

78, 39.730,
217.762

78, 39.730,
217.762

77, 40.873,
219.859

79, 37.671,
216.113

76, 41.310,
222.393

81, 34.647,
214.858

76, 41.314,
222.422

83, 30.676,
213.936

85, 25.829,
213.290

87, 20.212,
212.869

89, 13.942,
212.635

■ 91, 7.140, 212.572

■ 94, 0.083, 24.924

■ 96, 5.599, 37.083

Harmonies

Complementary

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



78, 39.730, 217.762



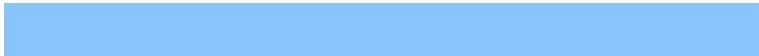
55, 79.059, 39.218

Rectangle

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



78, 39.730, 217.762



78, 39.730, 267.762



78, 39.730, 37.762



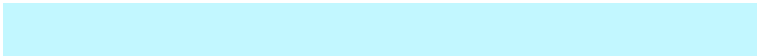
78, 39.730, 87.762

Sweetspot

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



78, 39.729, 217.761



94, 17.613, 212.713



83, 98.535, 139.775



49, 11.942, 212.803



0, 0.000, 0.000



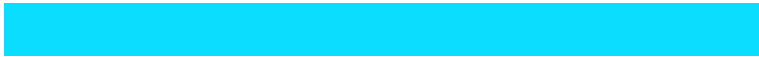
53, 0.007, 296.813

Same Dimension

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



78, 39.729, 217.761



81, 43.566, 221.479



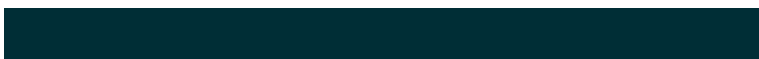
51, 69.748, 287.606



48, 4.076, 212.574



59, 33.813, 221.918



17, 14.612, 217.699

Inverse Universe

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



57, 93.131, 333.356



59, 103.321, 334.446



74, 68.965, 76.775



46, 7.694, 328.974



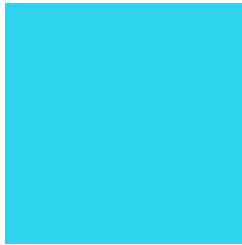
42, 80.262, 334.571



9, 34.909, 333.523

Previews

White Background



This preview shows how the CIELCh color 78, 39.730, 217.762 looks on a white background.

Color Contrast Check

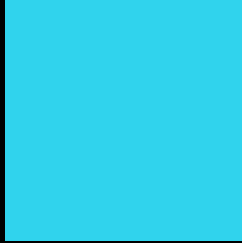
Large Text (above 18pt) WCAG AA × Fail

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 78, 39.730, 217.762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

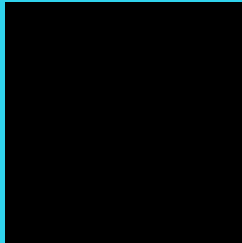
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 39.730, 217.762

Background



This preview shows how black text looks on a background with the CIELCh color 78, 39.730, 217.762.



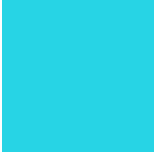
This preview shows how white text looks on a background with the CIELCh color 78, 39.730, 217.762.

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



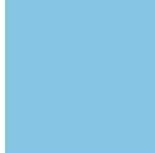


Tritanopia
78, 40.457, 209.950

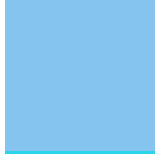
Trichromacy



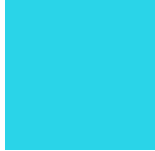
Original Color
78, 39.730, 217.762



Protanomaly
77, 24.360, 238.406



Deuteranomaly
77, 29.241, 253.105

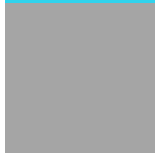


Tritanomaly
78, 40.207, 212.487

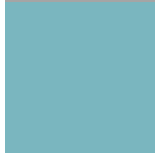
Monochromacy



Original Color
78, 39.730, 217.762



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 20.130, 212.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 39.730, 217.762 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(48, 211, 237)` looks like.

```
.text, #text, p{  
    color:rgb(48, 211, 237)  
}
```

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(48, 211, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 211, 237) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 39.730, 217.762 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(48, 211, 237) }
```

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

```
.border{ border-color:rgb(48, 211, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 211, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 211, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 211, 237);  
box-shadow:4px 4px 4px 4px rgb(48, 211,  
237) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 39.730, 217.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 211, 237) }
```

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

```
.background{ background-color: rgb(48, 211,  
237) }
```

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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