

Converting Colors

CIELCh(68, 37.971, 227.198)

Have a look what the booklet for
CIELCh(68, 37.971, 227.198)
contains.

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Color

CIELCh(68, 37.980, 227.044)

Conversions

Conversions Part 1

Format	Color
Hex	0BB5D7
RGB	11, 181, 215
RGB Percent	4%, 71%, 84%
CMY	0.9553, 0.2907, 0.1573
CMYK	0.95, 0.16, 0.00, 0.16
HSL	190°, 90%, 44%
HSV	190°, 95%, 84%
XYZ	28.8918, 37.9720, 70.0125
YIQ	134.0460, -112.2340, -25.4660

Conversions

Conversions Part 2

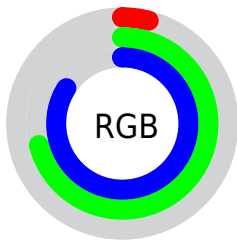
Format	Color
RYB	11, 104, 215
Decimal	767447
CIELab	68.00, -25.88, -27.80
CIELCh	68, 37.980, 227.044
Yxy	37.9720, 0.2111, 0.2774
Android (android.graphics.Color)	4278957527 (0xFF0BB5D7)
YUV	134.0460, 39.9103, -107.9113
Hunter-Lab	61.6215, -24.1461, -24.2286

Details

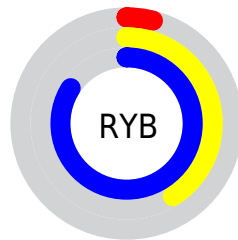
The CIELCh color **68, 37.980, 227.044** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **47, 85.064, 42.060**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 36.415, 212.399**, and **49, 30.976, 235.095** is the 20% darker color. If you saturate the color by 10%, you get **67, 38.269, 228.733**, and if you desaturate by 10%, it is **69, 37.109, 224.166**.

Distribution



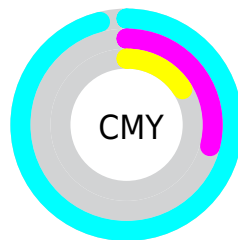
- Red (4%)
- Green (71%)
- Blue (84%)



- Red (4%)
- Yellow (41%)
- Blue (84%)



- Cyan (95%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)




- Cyan (96%)
- Magenta (29%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 37.980, 227.044 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 68, 37.980, 227.044 by changing the saturation by 10% instead.

 68, 37.980,
227.044


 68, 37.980,
227.044


 100, 37.980,
227.044


 58, 37.980,
227.044


 88, 37.980,
227.044

 48, 37.980,
227.044

 98, 37.980,
227.044

 38, 37.980,
227.044

 28, 37.980,
227.044

 18, 37.980,
227.044

 8, 37.980, 227.044

 0, 37.980, 227.044

■ 68, 37.980,
227.044

■ 68, 37.980,
227.044

■ 67, 38.269,
228.733

■ 69, 37.109,
224.166

■ 71, 35.500,
221.844

■ 72, 33.061,
220.023

■ 74, 29.775,
218.630

■ 76, 25.686,
217.593

■ 78, 20.873,
216.848

■ 80, 15.436,
216.339

■ 82, 9.480, 216.028

Harmonies

Complementary

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



68, 37.980, 227.044



47, 85.064, 42.060

Rectangle

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



68, 37.980, 227.044



68, 37.980, 277.044



68, 37.980, 47.044



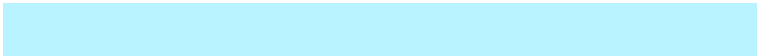
68, 37.980, 97.044

Sweetspot

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



68, 37.979, 227.044



92, 19.856, 216.497



75, 98.574, 138.442



48, 13.478, 216.726



0, 0.000, 0.000



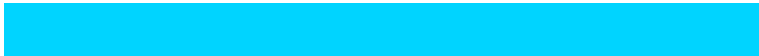
53, 0.007, 296.813

Same Dimension

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



68, 37.979, 227.044



79, 43.554, 229.092



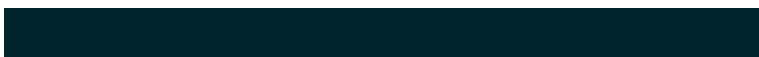
39, 81.903, 295.148



44, 3.707, 215.945



54, 32.253, 228.161



12, 12.709, 221.621

Inverse Universe

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



50, 88.635, 335.851



58, 101.189, 336.407



66, 71.128, 76.642



42, 6.991, 329.948



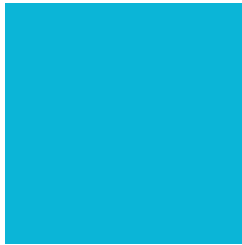
39, 75.199, 336.164



6, 29.146, 334.365

Previews

White Background



This preview shows how the CIE LCh color 68, 37.980, 227.044 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 68, 37.980, 227.044 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 68, 37.980, 227.044

Background



This preview shows how black text looks on a background with the CIELCh color 68, 37.980, 227.044.

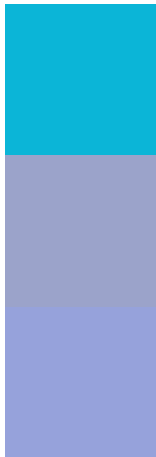


This preview shows how white text looks on a background with the CIELCh color 68, 37.980, 227.044.

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](#).

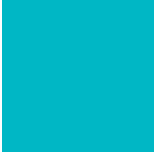
Dichromacy



Original Color
68, 38.007, 227.019

Protanopia
68, 21.619, 285.170

Deuteranopia
68, 31.557, 286.365



Tritanopia
68, 37.707, 208.609

Trichromacy



Original Color
68, 38.007, 227.019



Protanomaly
67, 27.718, 246.353



Deuteranomaly
67, 32.459, 255.764



Tritanomaly
68, 37.382, 215.997

Monochromacy



Original Color
68, 38.007, 227.019



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 20.911, 216.899

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 37.980, 227.044 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(11, 181, 215)` looks like.

```
.text, #text, p{  
    color:rgb(11, 181, 215)  
}
```

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(11, 181, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 181, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 37.980, 227.044 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(11, 181, 215) }
```

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

```
.border{ border-color:rgb(11, 181, 215) }
```

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

Here you see how a box with a 4 pixel rgb(11, 181, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 181, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 181, 215);  
box-shadow:4px 4px 4px 4px rgb(11, 181,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 37.980, 227.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 181, 215) }
```

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

```
.background{ background-color: rgb(11, 181,  
215) }
```

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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