

Converting Colors

CIELCh(63, 64.151, 209.161)

Have a look what the booklet for
CIELCh(63, 64.151, 209.161)
contains.

CIELCh(67, 37.377, 221.722)	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(67, 37.377, 221.722)

Conversions

Conversions Part 1

Format	Color
Hex	00B3CF
RGB	0, 179, 207
RGB Percent	0%, 70%, 81%
CMY	1.0000, 0.2989, 0.1892
CMYK	1.00, 0.14, 0.00, 0.19
HSL	188°, 100%, 41%
HSV	188°, 100%, 81%
XYZ	27.2911, 36.6320, 64.5106
YIQ	128.6710, -115.6720, -29.2400

Conversions

Conversions Part 2

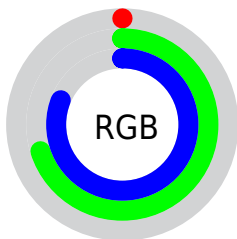
Format	Color
RYB	0, 96, 207
Decimal	46031
CIELab	67.00, -27.90, -24.88
CIELCh	67, 37.377, 221.722
Yxy	36.6320, 0.2125, 0.2852
Android (android.graphics.Color)	4278236111 (0xFF00B3CF)
YUV	128.6710, 38.6162, -112.8445
Hunter-Lab	60.5244, -25.4299, -20.8279

Details

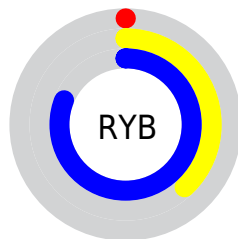
The CIELCh color **67, 37.377, 221.722** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **44, 86.934, 41.701**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 36.765, 213.991**, and **49, 29.758, 229.864** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.344, 221.746**, and if you desaturate by 10%, it is **68, 36.899, 219.324**.

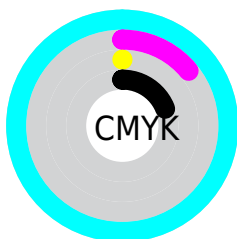
Distribution



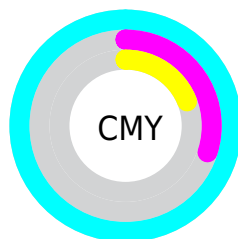
- Red (0%)
- Green (70%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.377, 221.722 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 67, 37.377, 221.722 by changing the saturation by 10% instead.

 67, 37.377,
221.722


 67, 37.377,
221.722


 100, 37.377,
221.722


 57, 37.377,
221.722


 87, 37.377,
221.722

 47, 37.377,
221.722

 97, 37.377,
221.722

 37, 37.377,
221.722

 27, 37.377,
221.722

 17, 37.377,
221.722

 7, 37.377, 221.722

 0, 37.377, 221.722

■ 67, 37.377,
221.722

■ 67, 37.377,
221.722

■ 67, 37.344,
221.746

■ 68, 36.899,
219.324

■ 69, 35.836,
217.307

■ 70, 33.952,
215.723

■ 72, 31.207,
214.518

■ 73, 27.621,
213.634

■ 75, 23.257,
213.016

■ 77, 18.208,
212.617

■ 79, 12.580,

212.398

■ 81, 6.478, 212.346

Harmonies

Complementary

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



67, 37.377, 221.722



44, 86.934, 41.701

Rectangle

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



67, 37.377, 221.722



67, 37.377, 271.722



67, 37.377, 41.722



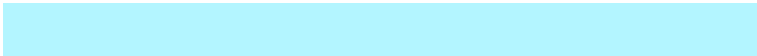
67, 37.377, 91.722

Sweetspot

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



67, 37.344, 221.746



93, 21.555, 212.628



73, 99.222, 137.262



48, 14.451, 212.778



0, 0.000, 0.000



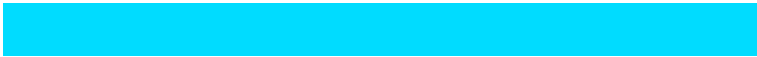
53, 0.007, 296.813

Same Dimension

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



67, 37.344, 221.746



81, 43.715, 222.100



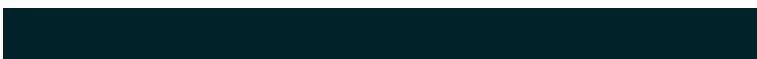
37, 79.711, 294.926



43, 3.715, 212.350



55, 32.064, 221.331



12, 12.428, 215.896

Inverse Universe

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



48, 88.675, 334.528



58, 103.728, 334.617



61, 70.470, 72.242



41, 7.008, 328.901



39, 76.200, 334.425



5, 28.035, 332.768

Previews

White Background



This preview shows how the CIE LCh color 67, 37.377, 221.722 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 67, 37.377, 221.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

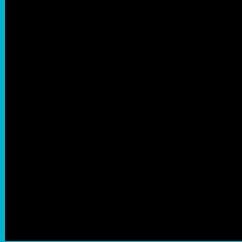
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 37.377, 221.722

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.377, 221.722.

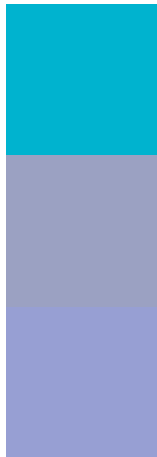


This preview shows how white text looks on a background with the CIELCh color 67, 37.377, 221.722.

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

67, 37.377, 221.722

Protanopia

67, 18.323, 285.557

Deuteranopia

67, 28.830, 287.910



Tritanopia
67, 37.204, 209.718

Trichromacy



Original Color
67, 37.377, 221.722



Protanomaly
65, 26.303, 241.066



Deuteranomaly
65, 30.302, 250.933



Tritanomaly
67, 37.148, 213.384

Monochromacy



Original Color
67, 37.377, 221.722



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.484, 213.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.377, 221.722 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(0, 179, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 207)  
}
```

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(0, 179, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.377, 221.722 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(0, 179, 207) }
```

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

```
.border{ border-color:rgb(0, 179, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.377, 221.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 207) }
```

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

```
.background{ background-color: rgb(0, 179,  
207) }
```

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