

Converting Colors

CIELCh(59, 109.636, 199.869)

Have a look what the booklet for
CIELCh(59, 109.636, 199.869)
contains.

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Color

CIELCh(67, 37.378, 219.783)

Conversions

Conversions Part 1

Format	Color
Hex	00B3CD
RGB	0, 179, 205
RGB Percent	0%, 70%, 80%
CMY	1.0000, 0.2979, 0.1960
CMYK	1.00, 0.13, 0.00, 0.20
HSL	188°, 100%, 40%
HSV	188°, 100%, 80%
XYZ	27.0865, 36.6320, 63.4137
YIQ	128.4430, -115.0300, -29.8620

Conversions

Conversions Part 2

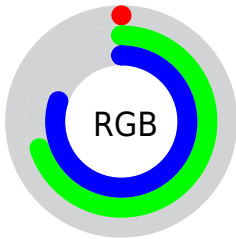
Format	Color
R_{YB}	0, 96, 205
Decimal	46029
CIE _{Lab}	67.00, -28.72, -23.92
CIE _{LCh}	67, 37.378, 219.783
Yxy	36.6320, 0.2131, 0.2881
Android (android.graphics.Color)	4278236109 (0xFF00B3CD)
YUV	128.4430, 37.7426, -112.6445
Hunter-Lab	60.5244, -26.0333, -19.7533

Details

The CIELCh color **67, 37.378, 219.783** 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, 86.595, 41.540**, 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 **48, 29.449, 227.478** is the 20% darker color. If you saturate the color by 10%, you get **67, 37.238, 219.882**, and if you desaturate by 10%, it is **68, 36.822, 217.648**.

Distribution



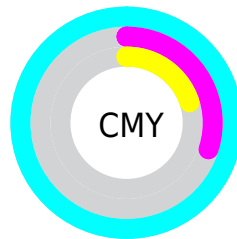
- Red (0%)
- Green (70%)
- Blue (80%)



- Red (0%)
- Yellow (38%)
- Blue (80%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (30%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 37.378, 219.783 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, 37.378, 219.783 by changing the saturation by 10% instead.


 67, 37.378,
219.783


 67, 37.378,
219.783


 100, 37.378,
219.783


 57, 37.378,
219.783


 87, 37.378,
219.783

 47, 37.378,
219.783

 97, 37.378,
219.783

 37, 37.378,
219.783

 27, 37.378,
219.783

 17, 37.378,
219.783

 7, 37.378, 219.783

 0, 37.378, 219.783

■ 67, 37.378,
219.783

■ 67, 37.378,
219.783

■ 67, 37.238,
219.882

■ 68, 36.822,
217.648

■ 69, 35.778,
215.792

■ 70, 33.911,
214.341

■ 71, 31.178,
213.244

■ 73, 27.600,
212.448

■ 74, 23.244,
211.903

■ 76, 18.201,
211.564

■ 78, 12.576,

211.397

■ 80, 6.476, 211.389

Harmonies

Complementary

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



67, 37.378, 219.783



44, 86.595, 41.540

Rectangle

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



67, 37.378, 219.783



67, 37.378, 269.783



67, 37.378, 39.783



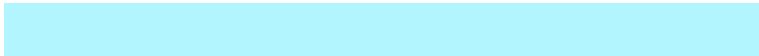
67, 37.378, 89.783

Sweetspot

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



67, 37.238, 219.882



93, 21.693, 211.574



72, 99.127, 137.039



48, 14.542, 211.699



0, 0.000, 0.000



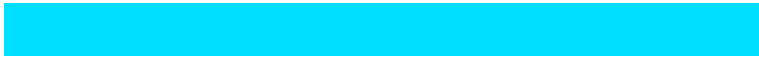
53, 0.007, 296.813

Same Dimension

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



67, 37.238, 219.882



82, 43.861, 220.224



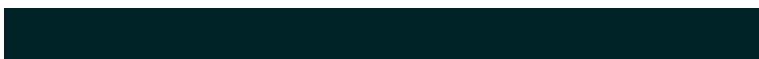
38, 76.930, 293.839



42, 3.665, 211.395



55, 31.821, 219.481



11, 12.038, 214.144

Inverse Universe

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



47, 88.719, 334.063



59, 104.441, 334.148



60, 70.123, 70.691



40, 6.909, 328.622



38, 75.860, 333.964



5, 26.200, 332.093

Previews

White Background



This preview shows how the CIE LCh color 67, 37.378, 219.783 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, 37.378, 219.783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

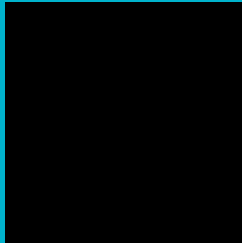
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

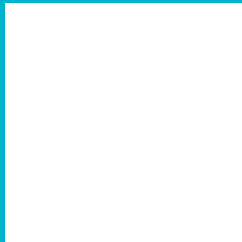
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 37.378, 219.783

Background



This preview shows how black text looks on a background with the CIELCh color 67, 37.378, 219.783.



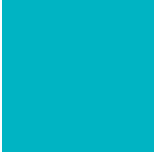
This preview shows how white text looks on a background with the CIELCh color 67, 37.378, 219.783.

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



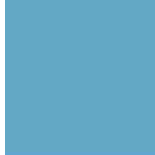


Tritanopia
67, 37.204, 209.718

Trichromacy



Original Color
67, 37.233, 219.905



Protanomaly
66, 25.635, 237.328



Deuteranomaly
65, 29.798, 250.426



Tritanomaly
67, 37.148, 213.384

Monochromacy



Original Color
67, 37.233, 219.905



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 21.684, 211.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 37.378, 219.783 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 37.378, 219.783 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, 205) }
```

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

```
.border{ border-color:rgb(0, 179, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 37.378, 219.783 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, 205) }
```

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

```
.background{ background-color: rgb(0, 179,  
205) }
```

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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