

Converting Colors

CIELCh(67, 41.191, 239.016)

Have a look what the booklet for
CIELCh(67, 41.191, 239.016)
contains.

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Color

CIELCh(67, 40.597, 239.825)

Conversions

Conversions Part 1

Format	Color
Hex	00B0E1
RGB	0, 176, 225
RGB Percent	0%, 69%, 88%
CMY	1.0000, 0.3083, 0.1163
CMYK	1.00, 0.22, 0.00, 0.12
HSL	193°, 100%, 44%
HSV	193°, 100%, 88%
XYZ	29.1932, 36.6320, 77.0173
YIQ	128.9620, -120.6250, -22.0730

Conversions

Conversions Part 2

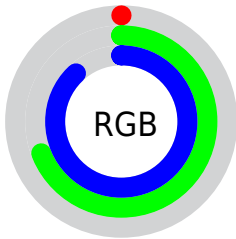
Format	Color
RYB	0, 99, 225
Decimal	45281
CIELab	67.00, -20.41, -35.10
CIELCh	67, 40.597, 239.825
Yxy	36.6320, 0.2044, 0.2565
Android (android.graphics.Color)	4278235361 (0xFF00B0E1)
YUV	128.9620, 47.3467, -113.0997
Hunter-Lab	60.5244, -19.8203, -33.0795

Details

The CIELCh color **67, 40.597, 239.825** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **50, 90.109, 43.729**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.831, 217.252**, and **48, 34.464, 250.398** is the 20% darker color. If you saturate the color by 10%, you get **67, 40.523, 239.924**, and if you desaturate by 10%, it is **69, 39.395, 235.848**.

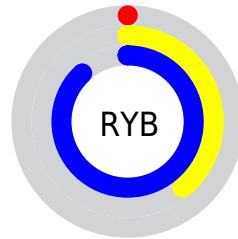
Distribution



Red (0%)

Green (69%)

Blue (88%)



Red (0%)

Yellow (39%)

Blue (88%)

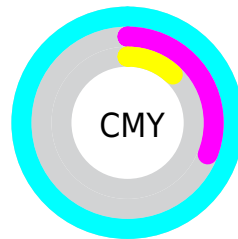


Cyan (100%)

Magenta (22%)

Yellow (0%)

Black (12%)



Cyan (100%)


Magenta (31%)


Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 40.597, 239.825 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, 40.597, 239.825 by changing the saturation by 10% instead.

 67, 40.597,
239.825

 67, 40.597,
239.825


 100, 40.597,
239.825


 57, 40.597,
239.825


 87, 40.597,
239.825

 47, 40.597,
239.825

 97, 40.597,
239.825

 37, 40.597,
239.825

 27, 40.597,
239.825

 17, 40.597,
239.825

 7, 40.597, 239.825

 0, 40.597, 239.825

■ 67, 40.597,
239.825

■ 67, 40.597,
239.825

■ 67, 40.523,
239.924

■ 69, 39.395,
235.848

■ 70, 37.791,
232.356

■ 72, 35.483,
229.520

■ 74, 32.394,
227.272

■ 76, 28.521,
225.525

■ 79, 23.917,
224.190

■ 81, 18.666,
223.189

■ 84, 12.864,

222.459

■ 87, 6.612, 221.964

Harmonies

Complementary

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



67, 40.597, 239.825



50, 90.109, 43.729

Rectangle

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



67, 40.597, 239.825



67, 40.597, 289.825



67, 40.597, 59.825



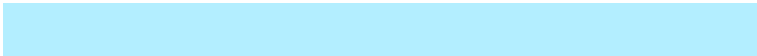
67, 40.597, 109.825

Sweetspot

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



67, 40.523, 239.924



91, 20.618, 223.207



79, 102.263, 138.705



47, 13.842, 223.598



0, 0.000, 0.000



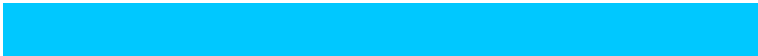
53, 0.007, 296.813

Same Dimension

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



67, 40.523, 239.924



75, 44.542, 240.248



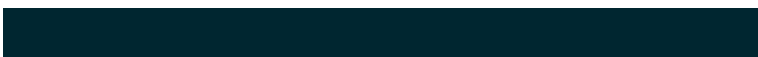
36, 97.286, 299.574



46, 3.747, 221.944



53, 33.594, 239.156



13, 13.570, 231.481

Inverse Universe

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



51, 88.814, 339.406



57, 97.404, 339.501



71, 75.630, 80.000



44, 7.010, 331.708



40, 74.012, 339.181



7, 31.015, 337.033

Previews

White Background



This preview shows how the CIE LCh color 67, 40.597, 239.825 looks on a white background.

Color Contrast Check

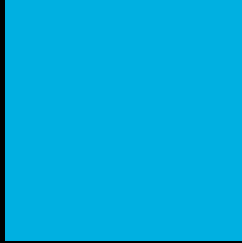
Large Text (above 18pt) WCAG AA × Fail

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, 40.597, 239.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

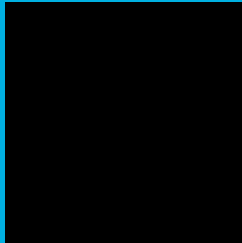
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 40.597, 239.825

Background



This preview shows how black text looks on a background with the CIELCh color 67, 40.597, 239.825.

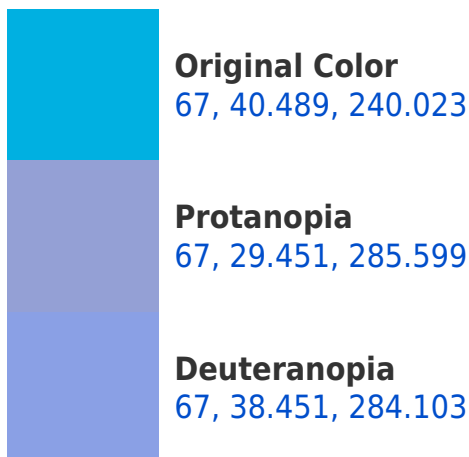


This preview shows how white text looks on a background with the CIELCh color 67, 40.597, 239.825.

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



Trichromacy

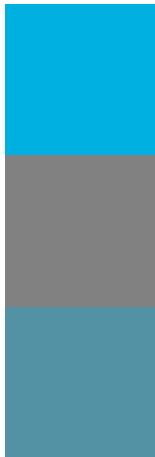


Original Color
67, 40.489, 240.023

Protanomaly
65, 33.644, 256.453

Deuteranomaly
66, 38.843, 261.744

Monochromacy



Original Color
67, 40.489, 240.023

Achromatopsia
54, 0.007, 296.813

Achromatomaly
57, 22.133, 225.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 40.597, 239.825 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, 176, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 225)  
}
```

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, 176, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 40.597, 239.825 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, 176, 225) }
```

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

```
.border{ border-color:rgb(0, 176, 225) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 40.597, 239.825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 225) }
```

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

```
.background{ background-color: rgb(0, 176,  
225) }
```

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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