

Converting Colors

CIELCh(65, 51.375, 229.787)

Have a look what the booklet for
CIELCh(65, 51.375, 229.787)
contains.

CIELCh(67, 40.843, 240.588)	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>	26

Color

CIELCh(67, 40.843, 240.588)

Conversions

Conversions Part 1

Format	Color
Hex	00B0E2
RGB	0, 176, 226
RGB Percent	0%, 69%, 89%
CMY	1.0000, 0.3087, 0.1128
CMYK	1.00, 0.22, 0.00, 0.11
HSL	193°, 100%, 44%
HSV	193°, 100%, 89%
XYZ	29.2837, 36.6320, 77.6451
YIQ	129.0760, -120.9460, -21.7620

Conversions

Conversions Part 2

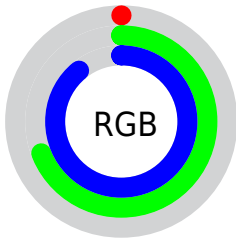
Format	Color
RYB	0, 99, 226
Decimal	45282
CIELab	67.00, -20.06, -35.58
CIELCh	67, 40.843, 240.588
Yxy	36.6320, 0.2040, 0.2552
Android (android.graphics.Color)	4278235362 (0xFF00B0E2)
YUV	129.0760, 47.7835, -113.1997
Hunter-Lab	60.5244, -19.5533, -33.6946

Details

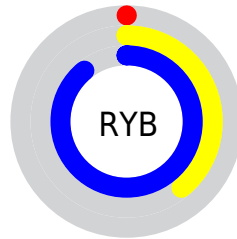
The CIELCh color **67, 40.843, 240.588** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **50, 90.240, 43.839**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.831, 217.252**, and **48, 34.819, 251.267** is the 20% darker color. If you saturate the color by 10%, you get **67, 40.757, 240.705**, and if you desaturate by 10%, it is **69, 39.581, 236.570**.

Distribution



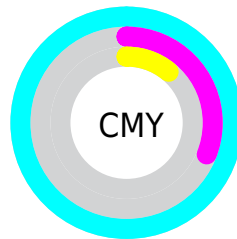
- Red (0%)
- Green (69%)
- Blue (89%)



- Red (0%)
- Yellow (39%)
- Blue (89%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (31%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 40.843, 240.588 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, 40.843, 240.588 by changing the saturation by 10% instead.

 67, 40.843,
240.588

 67, 40.843,
240.588

 100, 40.843,
240.588

 57, 40.843,
240.588

 87, 40.843,
240.588

 47, 40.843,
240.588

 97, 40.843,
240.588

 37, 40.843,
240.588

 27, 40.843,
240.588

 17, 40.843,
240.588

 7, 40.843, 240.588

 0, 40.843, 240.588

67, 40.843,
240.588

67, 40.843,
240.588

67, 40.757,
240.705

69, 39.581,
236.570

70, 37.938,
233.021

72, 35.599,
230.135

74, 32.485,
227.844

77, 28.591,
226.060

79, 23.969,
224.694

82, 18.702,
223.667

84, 12.887,

222.914

■ 87, 6.623, 222.400

Harmonies

Complementary

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



67, 40.843, 240.588



50, 90.240, 43.839

Rectangle

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



67, 40.843, 240.588



67, 40.843, 290.588



67, 40.843, 60.588



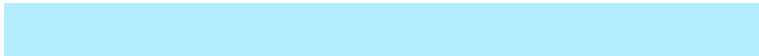
67, 40.843, 110.588

Sweetspot

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



67, 40.757, 240.705



91, 20.594, 223.685



79, 102.573, 138.701



47, 13.827, 224.086



0, 0.000, 0.000



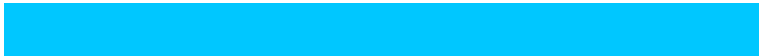
53, 0.007, 296.813

Same Dimension

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



67, 40.757, 240.705



75, 44.670, 241.023



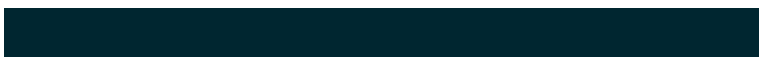
36, 97.594, 299.582



46, 3.741, 222.379



53, 33.681, 239.916



13, 13.580, 232.127

Inverse Universe

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



51, 88.841, 339.637



57, 97.149, 339.732



71, 75.852, 79.994



44, 6.992, 331.837



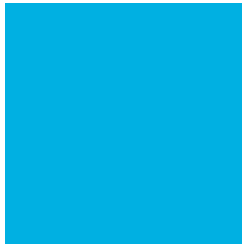
40, 73.822, 339.404



7, 30.942, 337.207

Previews

White Background



This preview shows how the CIELCh color 67, 40.843, 240.588 looks on a white background.

Color Contrast Check

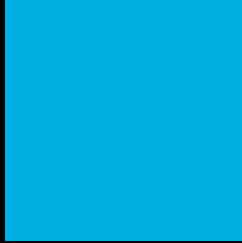
Large Text (above 18pt) WCAG AA × Fail

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, 40.843, 240.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

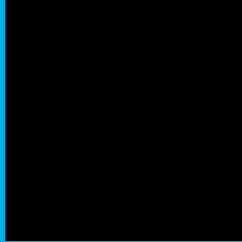
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 40.843, 240.588

Background



This preview shows how black text looks on a background with the CIELCh color 67, 40.843, 240.588.

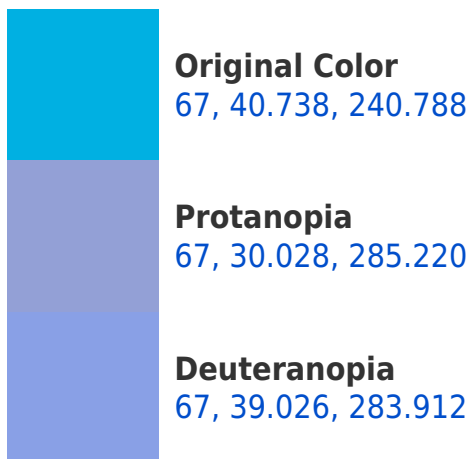


This preview shows how white text looks on a background with the CIELCh color 67, 40.843, 240.588.

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, 40.738, 240.788

Protanomaly
66, 34.050, 257.150

Deuteranomaly
66, 39.361, 262.061

Monochromacy



Original Color
67, 40.738, 240.788

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, 40.843, 240.588 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 40.843, 240.588 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, 226) }
```

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

```
.border{ border-color:rgb(0, 176, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 40.843, 240.588 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, 226) }
```

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

```
.background{ background-color: rgb(0, 176,  
226) }
```

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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