

Converting Colors

CIELCh(67, 41.667, 243.440)

Have a look what the booklet for
CIELCh(67, 41.667, 243.440)
contains.

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Color

CIELCh(67, 41.522, 243.028)

Conversions

Conversions Part 1

Format	Color
Hex	00B0E5
RGB	0, 176, 229
RGB Percent	0%, 69%, 90%
CMY	1.0000, 0.3104, 0.1026
CMYK	1.00, 0.23, 0.00, 0.10
HSL	194°, 100%, 45%
HSV	194°, 100%, 90%
XYZ	29.6035, 36.6320, 79.5200
YIQ	129.4180, -121.9090, -20.8290

Conversions

Conversions Part 2

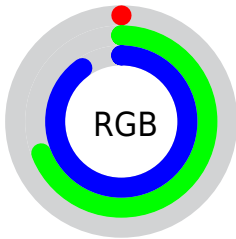
Format	Color
RYB	0, 100, 229
Decimal	45285
CIELab	67.00, -18.83, -37.01
CIELCh	67, 41.522, 243.028
Yxy	36.6320, 0.2031, 0.2513
Android (android.graphics.Color)	4278235365 (0xFF00B0E5)
YUV	129.4180, 49.0939, -113.4996
Hunter-Lab	60.5244, -18.6101, -35.5312

Details

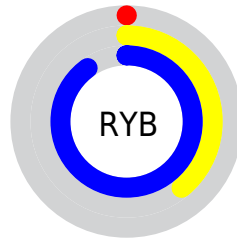
The CIELCh color **67, 41.522, 243.028** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **51, 90.607, 44.184**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.661, 217.361**, and **48, 35.923, 253.774** is the 20% darker color. If you saturate the color by 10%, you get **67, 41.504, 243.053**, and if you desaturate by 10%, it is **69, 40.175, 238.748**.

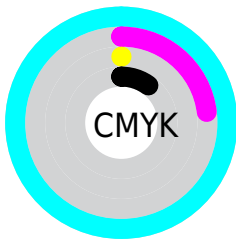
Distribution



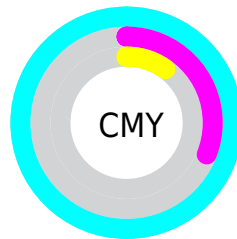
- Red (0%)
- Green (69%)
- Blue (90%)



- Red (0%)
- Yellow (39%)
- Blue (90%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (10%)




- Cyan (100%)
- Magenta (31%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 41.522, 243.028 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, 41.522, 243.028 by changing the saturation by 10% instead.

 67, 41.522,
243.028


 67, 41.522,
243.028

 100, 41.522,
243.028

 57, 41.522,
243.028

 87, 41.522,
243.028

 47, 41.522,
243.028

 97, 41.522,
243.028

 37, 41.522,
243.028

 27, 41.522,
243.028

 17, 41.522,
243.028

 7, 41.522, 243.028

 0, 41.522, 243.028

■ 67, 41.522,
243.028

■ 67, 41.522,
243.028

■ 67, 41.504,
243.053

■ 69, 40.175,
238.748

■ 71, 38.408,
235.034

■ 73, 35.968,
232.000

■ 75, 32.772,
229.580

■ 77, 28.810,
227.687

■ 80, 24.131,
226.228

■ 82, 18.814,
225.122

■ 85, 12.957,

224.301

■ 88, 6.656, 223.728

Harmonies

Complementary

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



67, 41.522, 243.028



51, 90.607, 44.184

Rectangle

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



67, 41.522, 243.028



67, 41.522, 293.028



67, 41.522, 63.028



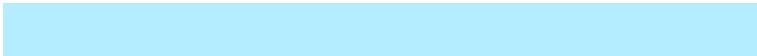
67, 41.522, 113.028

Sweetspot

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



67, 41.504, 243.053



91, 20.528, 225.139



80, 103.490, 138.690



47, 13.787, 225.572



0, 0.000, 0.000



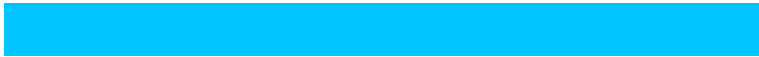
53, 0.007, 296.813

Same Dimension

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



67, 41.504, 243.053



74, 45.103, 243.348



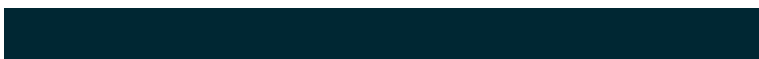
37, 98.506, 299.604



47, 3.794, 223.705



53, 34.348, 242.254



14, 14.078, 234.564

Inverse Universe

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



52, 88.904, 340.349



57, 96.390, 340.440



72, 76.506, 79.976



45, 7.069, 332.233



40, 74.027, 340.104



8, 31.866, 337.878

Previews

White Background



This preview shows how the CIE LCh color 67, 41.522, 243.028 looks on a white background.

Color Contrast Check

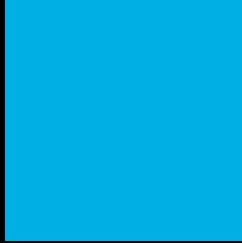
Large Text (above 18pt) WCAG AA × Fail

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, 41.522, 243.028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

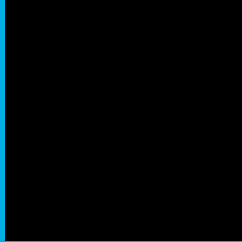
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 41.522, 243.028

Background



This preview shows how black text looks on a background with the CIELCh color 67, 41.522, 243.028.

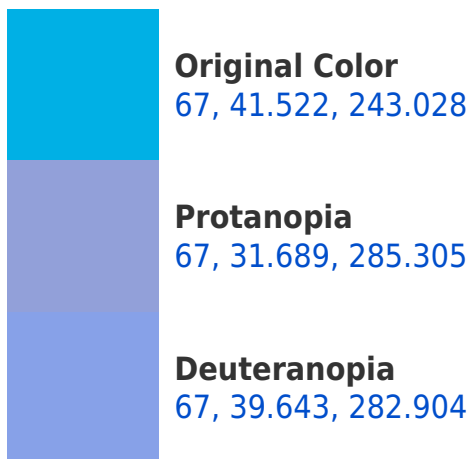


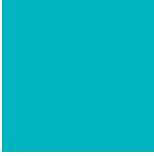
This preview shows how white text looks on a background with the CIELCh color 67, 41.522, 243.028.

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, 37.239, 208.804

Trichromacy



Original Color
67, 41.522, 243.028



Protanomaly
66, 35.394, 258.854



Deuteranomaly
66, 40.314, 262.920



Tritanomaly
67, 37.320, 222.761

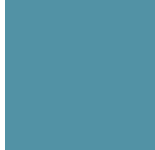
Monochromacy



Original Color
67, 41.522, 243.028



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 22.308, 227.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 41.522, 243.028 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 41.522, 243.028 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, 229) }
```

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

```
.border{ border-color:rgb(0, 176, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 41.522, 243.028 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, 229) }
```

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

```
.background{ background-color: rgb(0, 176,  
229) }
```

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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