

Converting Colors

CIELCh(67, 38.266, 236.985)

Have a look what the booklet for
CIELCh(67, 38.266, 236.985)
contains.

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Color

CIELCh(67, 38.308, 237.378)

Conversions

Conversions Part 1

Format	Color
Hex	21B0DC
RGB	33, 176, 220
RGB Percent	13%, 69%, 86%
CMY	0.8723, 0.3089, 0.1364
CMYK	0.85, 0.20, 0.00, 0.14
HSL	194°, 74%, 50%
HSV	194°, 85%, 86%
XYZ	29.1294, 36.6320, 73.4045
YIQ	138.2590, -99.3520, -16.6320

Conversions

Conversions Part 2

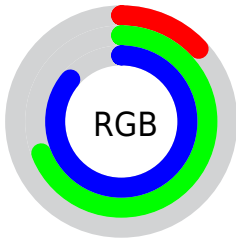
Format	Color
R_{YB}	33, 114, 220
Decimal	2207964
CIE _{Lab}	67.00, -20.65, -32.26
CIE _{LCh}	67, 38.308, 237.378
Yxy	36.6320, 0.2093, 0.2632
Android (android.graphics.Color)	4280398044 (0xFF21B0DC)
YUV	138.2590, 40.2983, -92.3121
Hunter-Lab	60.5244, -20.0084, -29.5404

Details

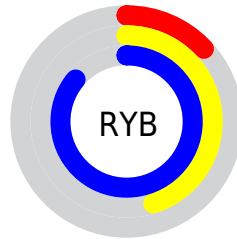
The CIELCh color **67, 38.308, 237.378** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **53, 76.187, 44.619**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 34.604, 218.056**, and **48, 33.119, 246.744** is the 20% darker color. If you saturate the color by 10%, you get **65, 39.789, 241.469**, and if you desaturate by 10%, it is **69, 36.259, 233.974**.

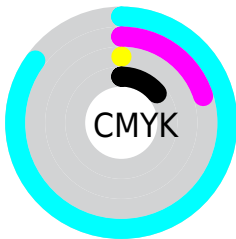
Distribution



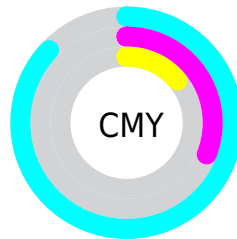
- Red (13%)
- Green (69%)
- Blue (86%)



- Red (13%)
- Yellow (45%)
- Blue (86%)



- Cyan (85%)
- Magenta (20%)
- Yellow (0%)
- Black (14%)





- Cyan (87%)
- Magenta (31%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 38.308, 237.378 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, 38.308, 237.378 by changing the saturation by 10% instead.

 67, 38.308,
237.378


 67, 38.308,
237.378


 100, 38.308,
237.378

 57, 38.308,
237.378


 87, 38.308,
237.378

 47, 38.308,
237.378

 97, 38.308,
237.378

 37, 38.308,
237.378

 27, 38.308,
237.378

 17, 38.308,
237.378

 7, 38.308, 237.378

 0, 38.308, 237.378

■ 67, 38.308,
237.378

■ 67, 38.308,
237.378

■ 65, 39.789,
241.469

■ 69, 36.259,
233.974

■ 64, 40.416,
243.566

■ 71, 33.518,
231.224

■ 73, 30.038,
229.049

■ 76, 25.841,
227.357

■ 78, 20.990,
226.060

■ 81, 15.571,
225.082

■ 83, 9.678, 224.366

■ 86, 3.402, 223.933

Harmonies

Complementary

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



67, 38.308, 237.378



53, 76.187, 44.619

Rectangle

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



67, 38.308, 237.378



67, 38.308, 287.378



67, 38.308, 57.378



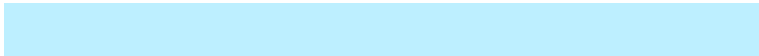
67, 38.308, 107.378

Sweetspot

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



67, 38.307, 237.378



92, 18.023, 225.167



77, 91.086, 141.642



48, 12.073, 225.485



0, 0.000, 0.000



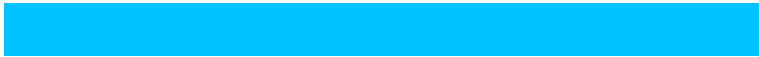
53, 0.007, 296.813

Same Dimension

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



67, 38.307, 237.378



74, 45.234, 243.978



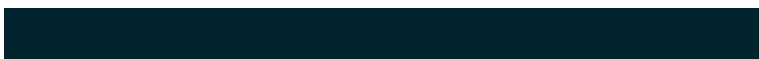
41, 82.475, 295.591



45, 3.652, 224.066



52, 33.692, 242.768



12, 13.175, 234.091

Inverse Universe

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



51, 84.340, 338.598



57, 96.185, 340.636



72, 70.298, 84.489



43, 6.795, 332.339



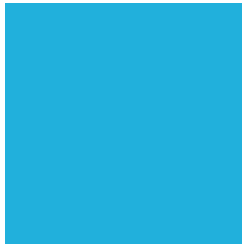
39, 72.328, 340.261



6, 29.303, 337.738

Previews

White Background



This preview shows how the CIE LCh color 67, 38.308, 237.378 looks on a white background.

Color Contrast Check

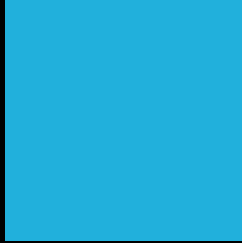
Large Text (above 18pt) WCAG AA × Fail

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, 38.308, 237.378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

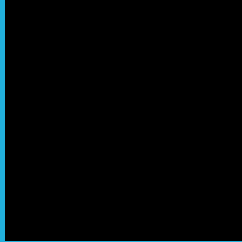
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 38.308, 237.378

Background



This preview shows how black text looks on a background with the CIELCh color 67, 38.308, 237.378.

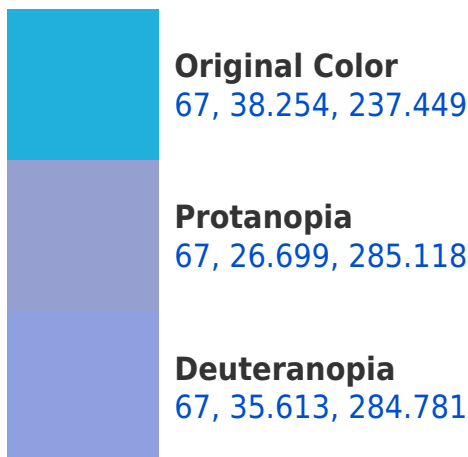


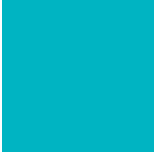
This preview shows how white text looks on a background with the CIELCh color 67, 38.308, 237.378.

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, 38.254, 237.449



Protanomaly
66, 30.031, 257.394



Deuteranomaly
66, 35.341, 262.880



Tritanomaly
67, 36.834, 219.228

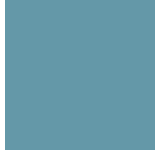
Monochromacy



Original Color
67, 38.254, 237.449



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 19.005, 226.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 38.308, 237.378 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(33, 176, 220)` looks like.

```
.text, #text, p{  
    color:rgb(33, 176, 220)  
}
```

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(33, 176, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 176, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 38.308, 237.378 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(33, 176, 220) }
```

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

```
.border{ border-color:rgb(33, 176, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 176, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 176, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 176, 220);  
box-shadow:4px 4px 4px 4px rgb(33, 176,  
220) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 38.308, 237.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 176, 220) }
```

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

```
.background{ background-color: rgb(33, 176,  
220) }
```

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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