

Converting Colors

CIELCh(67, 46.355, 236.667)

Have a look what the booklet for
CIELCh(67, 46.355, 236.667)
contains.

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Color

CIELCh(68, 41.822, 242.421)

Conversions

Conversions Part 1

Format	Color
Hex	00B3E8
RGB	0, 179, 232
RGB Percent	0%, 70%, 91%
CMY	1.0000, 0.2988, 0.0910
CMYK	1.00, 0.23, 0.00, 0.09
HSL	194°, 100%, 45%
HSV	194°, 100%, 91%
XYZ	30.6052, 37.9720, 81.9125
YIQ	131.5210, -123.6970, -21.4650

Conversions

Conversions Part 2

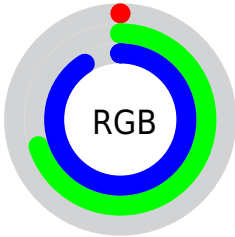
Format	Color
RYB	0, 101, 232
Decimal	46056
CIELab	68.00, -19.36, -37.07
CIELCh	68, 41.822, 242.421
Yxy	37.9720, 0.2034, 0.2523
Android (android.graphics.Color)	4278236136 (0xFF00B3E8)
YUV	131.5210, 49.5361, -115.3439
Hunter-Lab	61.6215, -19.1828, -35.6783

Details

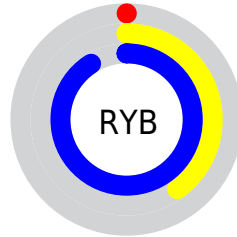
The CIELCh color **68, 41.822, 242.421** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **51, 91.637, 44.063**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 35.910, 214.449**, and **50, 36.143, 252.896** is the 20% darker color. If you saturate the color by 10%, you get **68, 41.800, 242.451**, and if you desaturate by 10%, it is **70, 40.503, 238.180**.

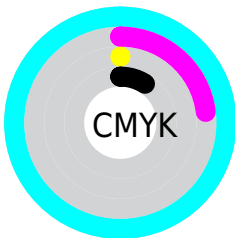
Distribution



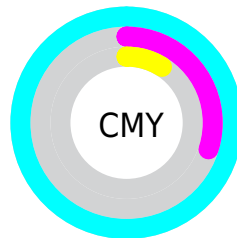
- Red (0%)
- Green (70%)
- Blue (91%)



- Red (0%)
- Yellow (40%)
- Blue (91%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (30%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 41.822, 242.421 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 68, 41.822, 242.421 by changing the saturation by 10% instead.


 68, 41.822,
242.421


 68, 41.822,
242.421


 100, 41.822,
242.421


 58, 41.822,
242.421


 88, 41.822,
242.421

 48, 41.822,
242.421

 98, 41.822,
242.421

 38, 41.822,
242.421

 28, 41.822,
242.421

 18, 41.822,
242.421

 8, 41.822, 242.421

 0, 41.822, 242.421

■ 68, 41.822,
242.421

■ 68, 41.822,
242.421

■ 68, 41.800,
242.451

■ 70, 40.503,
238.180

■ 72, 38.754,
234.502

■ 74, 36.317,
231.500

■ 76, 33.107,
229.110

■ 78, 29.117,
227.243

■ 81, 24.396,
225.807

■ 83, 19.026,
224.721

■ 86, 13.106,

223.917

■ 89, 6.734, 223.359

Harmonies

Complementary

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



68, 41.822, 242.421



51, 91.637, 44.063

Rectangle

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



68, 41.822, 242.421



68, 41.822, 292.421



68, 41.822, 62.421



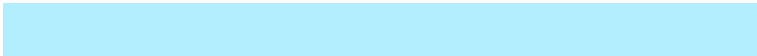
68, 41.822, 112.421

Sweetspot

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



68, 41.800, 242.451



91, 20.545, 224.735



81, 104.531, 138.677



47, 13.797, 225.160



0, 0.000, 0.000



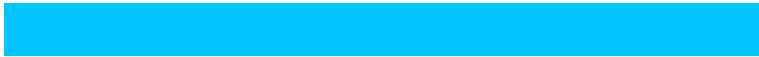
53, 0.007, 296.813

Same Dimension

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



68, 41.800, 242.451



74, 44.976, 242.707



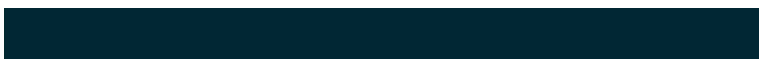
37, 99.540, 299.628



47, 3.799, 223.337



53, 34.260, 241.623



14, 14.063, 234.016

Inverse Universe

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



52, 89.953, 340.164



57, 96.598, 340.243



73, 77.249, 79.956



45, 7.084, 332.123



40, 74.185, 339.913



8, 31.927, 337.727

Previews

White Background



This preview shows how the CIE LCh color 68, 41.822, 242.421 looks on a white background.

Color Contrast Check

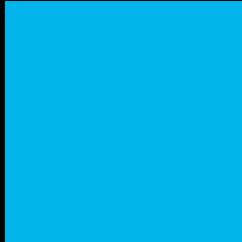
Large Text (above 18pt) WCAG AA × Fail

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 68, 41.822, 242.421 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 68, 41.822, 242.421

Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.822, 242.421.

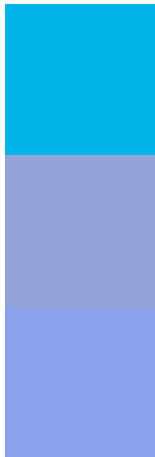


This preview shows how white text looks on a background with the CIELCh color 68, 41.822, 242.421.

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



Original Color

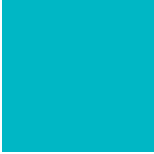
68, 41.822, 242.421

Protanopia

68, 31.046, 285.010

Deuteranopia

68, 40.051, 283.453

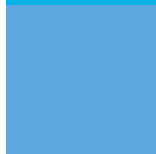


Tritanopia
68, 37.707, 208.609

Trichromacy



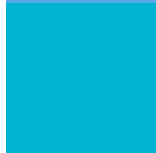
Original Color
68, 41.822, 242.421



Protanomaly
67, 35.463, 258.328



Deuteranomaly
67, 40.353, 262.417



Tritanomaly
68, 37.746, 222.357

Monochromacy



Original Color
68, 41.822, 242.421



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 22.714, 228.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 41.822, 242.421 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 41.822, 242.421 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, 232) }
```

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

```
.border{ border-color:rgb(0, 179, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 41.822, 242.421 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, 232) }
```

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

```
.background{ background-color: rgb(0, 179,  
232) }
```

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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