

Converting Colors

CIELCh(63, 66.414, 222.458)

Have a look what the booklet for
CIELCh(63, 66.414, 222.458)
contains.

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Color

CIELCh(68, 41.721, 242.622)

Conversions

Conversions Part 1

Format	Color
Hex	04B3E8
RGB	4, 179, 232
RGB Percent	2%, 70%, 91%
CMY	0.9825, 0.2991, 0.0911
CMYK	0.98, 0.23, 0.00, 0.09
HSL	194°, 96%, 46%
HSV	194°, 98%, 91%
XYZ	30.6526, 37.9720, 81.8828
YIQ	132.7170, -121.3130, -20.6170

Conversions

Conversions Part 2

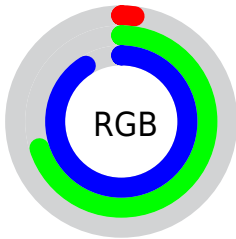
Format	Color
R_{YB}	4, 103, 232
Decimal	308200
CIE Lab	68.00, -19.19, -37.05
CIE LCh	68, 41.721, 242.622
Yxy	37.9720, 0.2037, 0.2523
Android (android.graphics.Color)	4278498280 (0xFF04B3E8)
YUV	132.7170, 48.9465, -112.8848
Hunter-Lab	61.6215, -19.0457, -35.6497

Details

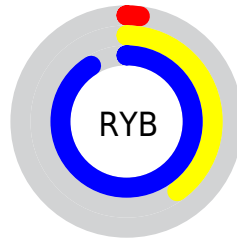
The CIELCh color **68, 41.721, 242.622** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **52, 90.074, 44.260**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 35.734, 214.546**, and **50, 36.143, 252.896** is the 20% darker color. If you saturate the color by 10%, you get **68, 41.982, 243.467**, and if you desaturate by 10%, it is **70, 40.316, 238.353**.

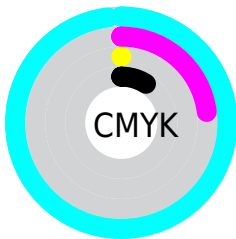
Distribution



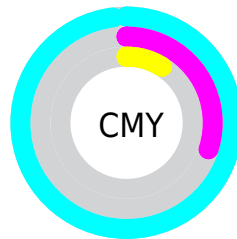
- Red (2%)
- Green (70%)
- Blue (91%)



- Red (2%)
- Yellow (40%)
- Blue (91%)



- Cyan (98%)
- Magenta (23%)
- Yellow (0%)
- Black (9%)



- Cyan (98%)
- Magenta (30%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 41.721, 242.622 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, 41.721, 242.622 by changing the saturation by 10% instead.


 68, 41.721,
242.622


 68, 41.721,
242.622


 100, 41.721,
242.622


 58, 41.721,
242.622


 88, 41.721,
242.622

 48, 41.721,
242.622

 98, 41.721,
242.622

 38, 41.721,
242.622

 28, 41.721,
242.622

 18, 41.721,
242.622

 8, 41.721, 242.622

 0, 41.721, 242.622

■ 68, 41.721,
242.622

■ 68, 41.721,
242.622

■ 68, 41.982,
243.467

■ 70, 40.316,
238.353

■ 72, 38.396,
234.740

■ 74, 35.778,
231.802

■ 76, 32.393,
229.468

■ 78, 28.242,
227.645

■ 81, 23.383,
226.244

■ 84, 17.900,
225.183

■ 86, 11.891,

224.399

■ 89, 5.453, 223.869

Harmonies

Complementary

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



68, 41.721, 242.622



52, 90.074, 44.260

Rectangle

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



68, 41.721, 242.622



68, 41.721, 292.622



68, 41.721, 62.622



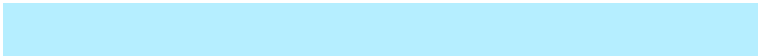
68, 41.721, 112.622

Sweetspot

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



68, 41.720, 242.622



91, 19.904, 225.283



81, 103.580, 138.958



47, 13.447, 225.714



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, 41.720, 242.622



74, 45.181, 243.728



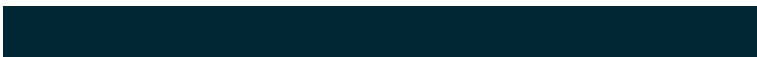
38, 97.564, 299.057



47, 3.792, 223.923



53, 34.403, 242.628



14, 14.087, 234.889

Inverse Universe

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



52, 89.571, 340.212



57, 96.266, 340.558



73, 76.825, 80.378



45, 7.060, 332.299



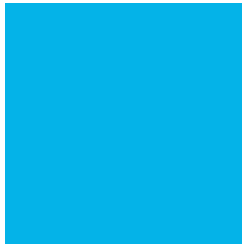
40, 73.934, 340.218



8, 31.830, 337.968

Previews

White Background



This preview shows how the CIE LCh color 68, 41.721, 242.622 looks on a white background.

Color Contrast Check

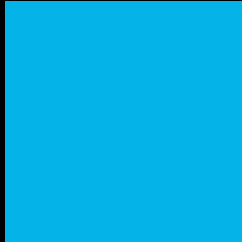
Large Text (above 18pt) WCAG AA × Fail

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, 41.721, 242.622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

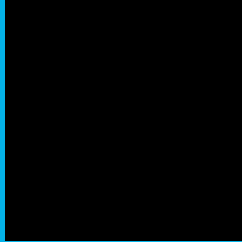
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 41.721, 242.622

Background



This preview shows how black text looks on a background with the CIELCh color 68, 41.721, 242.622.

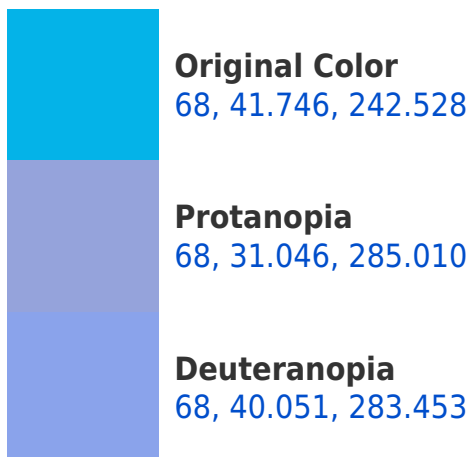


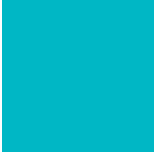
This preview shows how white text looks on a background with the CIELCh color 68, 41.721, 242.622.

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
68, 37.707, 208.609

Trichromacy



Original Color
68, 41.746, 242.528



Protanomaly
67, 35.358, 258.621



Deuteranomaly
67, 40.270, 262.655



Tritanomaly
68, 37.693, 222.399

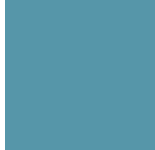
Monochromacy



Original Color
68, 41.746, 242.528



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 22.327, 226.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 41.721, 242.622 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(4, 179, 232)` looks like.

```
.text, #text, p{  
    color:rgb(4, 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(4, 179, 232) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 68, 41.721, 242.622 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(4, 179, 232) }
```

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

```
.border{ border-color:rgb(4, 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(4, 179, 232)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 68, 41.721, 242.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 179, 232) }
```

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

```
.background{ background-color: rgb(4, 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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