

Converting Colors

CIELCh(68, 40.470, 238.817)

Have a look what the booklet for
CIELCh(68, 40.470, 238.817)
contains.

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Color

CIELCh(68, 40.432, 238.852)

Conversions

Conversions Part 1

Format	Color
Hex	09B3E3
RGB	9, 179, 227
RGB Percent	4%, 70%, 89%
CMY	0.9657, 0.2969, 0.1086
CMYK	0.96, 0.21, 0.00, 0.11
HSL	193°, 93%, 46%
HSV	193°, 96%, 89%
XYZ	30.1916, 37.9720, 78.6249
YIQ	133.6420, -116.7280, -21.1120

Conversions

Conversions Part 2

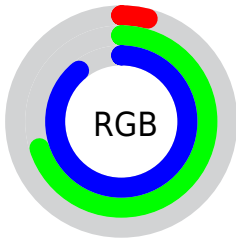
Format	Color
R_{YB}	9, 105, 227
Decimal	635875
CIE _{Lab}	68.00, -20.91, -34.60
CIE _{LCh}	68, 40.432, 238.852
Yxy	37.9720, 0.2057, 0.2587
Android (android.graphics.Color)	4278825955 (0xFF09B3E3)
YUV	133.6420, 46.0255, -109.3110
Hunter-Lab	61.6215, -20.3811, -32.5151

Details

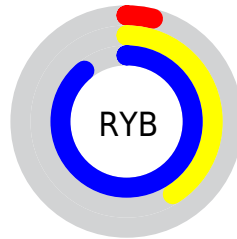
The CIELCh color **68, 40.432, 238.852** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **51, 87.942, 43.844**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 35.910, 214.449**, and **49, 34.379, 248.639** is the 20% darker color. If you saturate the color by 10%, you get **67, 40.865, 240.468**, and if you desaturate by 10%, it is **70, 39.146, 234.905**.

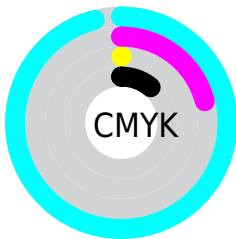
Distribution



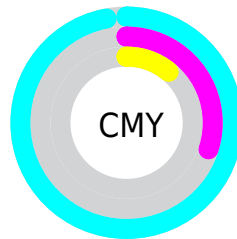
- Red (4%)
- Green (70%)
- Blue (89%)



- Red (4%)
- Yellow (41%)
- Blue (89%)



- Cyan (96%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)





- Cyan (97%)
- Magenta (30%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 40.432, 238.852 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, 40.432, 238.852 by changing the saturation by 10% instead.


 68, 40.432,
238.852


 68, 40.432,
238.852


 100, 40.432,
238.852


 58, 40.432,
238.852


 88, 40.432,
238.852

 48, 40.432,
238.852

 98, 40.432,
238.852

 38, 40.432,
238.852

 28, 40.432,
238.852

 18, 40.432,
238.852

 8, 40.432, 238.852

 0, 40.432, 238.852

68, 40.432,
238.852

68, 40.432,
238.852

67, 40.865,
240.468

70, 39.146,
234.905

71, 37.255,
231.631

73, 34.620,
228.997

76, 31.195,
226.924

78, 27.000,
225.321

80, 22.102,
224.103

83, 16.591,
223.196

86, 10.567,

222.542

■ 89, 4.128, 222.146

Harmonies

Complementary

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



68, 40.432, 238.852



51, 87.942, 43.844

Rectangle

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



68, 40.432, 238.852



68, 40.432, 288.852



68, 40.432, 58.852



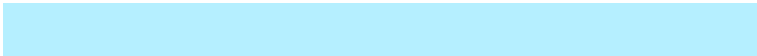
68, 40.432, 108.852

Sweetspot

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



68, 40.431, 238.852



91, 19.987, 223.442



79, 101.046, 139.279



47, 13.498, 223.833



0, 0.000, 0.000



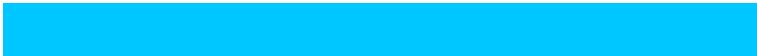
53, 0.007, 296.813

Same Dimension

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



68, 40.431, 238.852



75, 44.627, 240.771



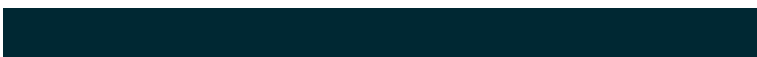
38, 94.068, 298.419



47, 3.813, 222.239



54, 34.018, 239.719



14, 14.026, 232.372

Inverse Universe

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



52, 89.070, 339.081



57, 97.232, 339.657



72, 75.299, 80.832



45, 7.129, 331.797



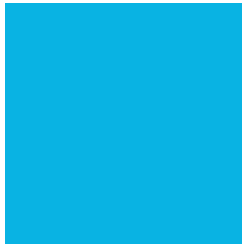
40, 74.663, 339.345



8, 32.110, 337.279

Previews

White Background



This preview shows how the CIELCh color 68, 40.432, 238.852 looks on a white background.

Color Contrast Check

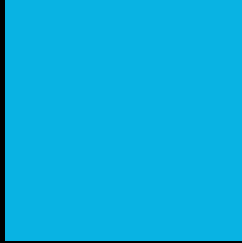
Large Text (above 18pt) WCAG AA × Fail

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, 40.432, 238.852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

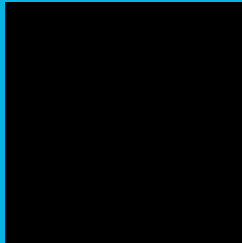
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 40.432, 238.852

Background



This preview shows how black text looks on a background with the CIELCh color 68, 40.432, 238.852.



This preview shows how white text looks on a background with the CIELCh color 68, 40.432, 238.852.

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



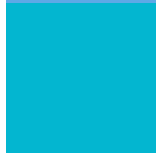
Original Color
68, 40.391, 238.905



Protanomaly
67, 32.979, 256.156



Deuteranomaly
67, 38.190, 261.437

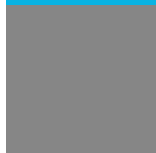


Tritanomaly
68, 37.588, 219.599

Monochromacy



Original Color
68, 40.391, 238.905



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 21.711, 226.179

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 40.432, 238.852 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(9, 179, 227)` looks like.

```
.text, #text, p{  
    color:rgb(9, 179, 227)  
}
```

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(9, 179, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 179, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 40.432, 238.852 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(9, 179, 227) }
```

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

```
.border{ border-color:rgb(9, 179, 227) }
```

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

Here you see how a box with a 4 pixel rgb(9, 179, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 179, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 179, 227);  
box-shadow:4px 4px 4px 4px rgb(9, 179,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 40.432, 238.852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 179, 227) }
```

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

```
.background{ background-color: rgb(9, 179,  
227) }
```

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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