

Converting Colors

CIELCh(68, 39.008, 242.744)

Have a look what the booklet for
CIELCh(68, 39.008, 242.744)
contains.

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Color

CIELCh(68, 38.866, 242.224)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 2FB2E3 |
| RGB | 47, 178, 227 |
| RGB Percent | 18%, 70%, 89% |
| CMY | 0.8159, 0.3021, 0.1100 |
| CMYK | 0.79, 0.22, 0.00, 0.11 |
| HSL | 196°, 76%, 54% |
| HSV | 196°, 79%, 89% |
| XYZ | 30.9414, 37.9720, 78.3421 |
| YIQ | 144.4170, -93.8050, -12.5330 |

Conversions

Conversions Part 2

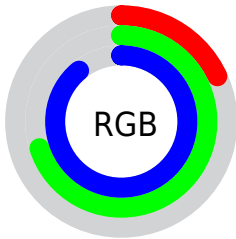
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 47, 123, 227 |
| Decimal | 3125987 |
| CIELab | 68.00, -18.11, -34.39 |
| CIELCh | 68, 38.866, 242.224 |
| Yxy | 37.9720, 0.2101, 0.2579 |
| Android (android.graphics.Color) | 4281316067 (0xFF2FB2E3) |
| YUV | 144.4170, 40.7134, -85.4347 |
| Hunter-Lab | 61.6215, -18.2090, -32.2430 |

Details

The CIELCh color **68, 38.866, 242.224** is a light color, and the websafe version is hex **0099CC**. The color can be described as light washed azure. A complement of this color would be **57, 70.749, 46.772**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 33.362, 216.928**, and **49, 34.633, 249.813** is the 20% darker color. If you saturate the color by 10%, you get **66, 41.161, 246.387**, and if you desaturate by 10%, it is **70, 36.016, 238.764**.

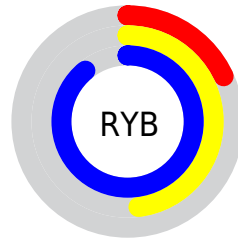
Distribution



Red (18%)

Green (70%)

Blue (89%)



Red (18%)

Yellow (48%)

Blue (89%)

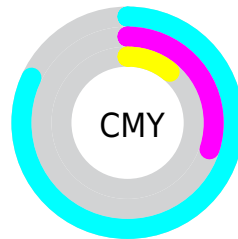


Cyan (79%)

Magenta (22%)

Yellow (0%)

Black (11%)



Cyan (82%)

Magenta (30%)

Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 38.866, 242.224 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, 38.866, 242.224 by changing the saturation by 10% instead.

 68, 38.866,
242.224

 68, 38.866,
242.224

 100, 38.866,
242.224

 58, 38.866,
242.224

 88, 38.866,
242.224

 48, 38.866,
242.224

 98, 38.866,
242.224

 38, 38.866,
242.224

 28, 38.866,
242.224

 18, 38.866,
242.224

 8, 38.866, 242.224

 0, 38.866, 242.224

68, 38.866,
242.224

68, 38.866,
242.224

66, 41.161,
246.387

70, 36.016,
238.764

64, 43.124,
251.142

73, 32.518,
235.962

64, 43.262,
251.468

75, 28.350,
233.732

78, 23.549,
231.980

81, 18.184,
230.617

84, 12.338,
229.571

87, 6.099, 228.802

90, 0.454, 46.826

Harmonies

Complementary

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



68, 38.866, 242.224



57, 70.749, 46.772

Rectangle

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



68, 38.866, 242.224



68, 38.866, 292.224



68, 38.866, 62.224



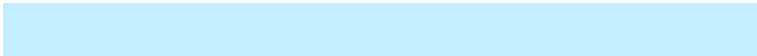
68, 38.866, 112.224

Sweetspot

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



68, 38.865, 242.224



92, 16.623, 230.042



80, 86.778, 143.709



48, 11.297, 230.433



0, 0.000, 0.000



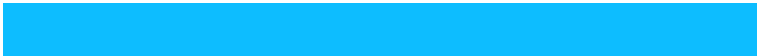
53, 0.007, 296.813

Same Dimension

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



68, 38.865, 242.224



72, 46.307, 249.353



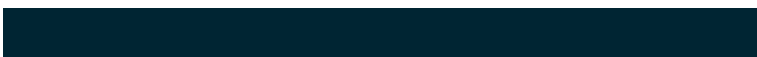
43, 81.905, 295.421



46, 3.751, 228.811



51, 35.941, 250.617



13, 14.397, 241.975

Inverse Universe

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



54, 82.012, 339.994



57, 93.657, 342.390



77, 69.938, 88.114



45, 6.867, 333.784



40, 71.965, 342.836



8, 31.057, 340.021

Previews

White Background



This preview shows how the CIE LCh color 68, 38.866, 242.224 looks on a white background.

Color Contrast Check

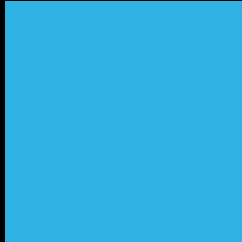
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 68, 38.866, 242.224 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

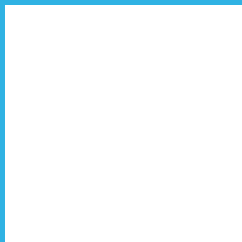
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 38.866, 242.224

Background



This preview shows how black text looks on a background with the CIELCh color 68, 38.866, 242.224.

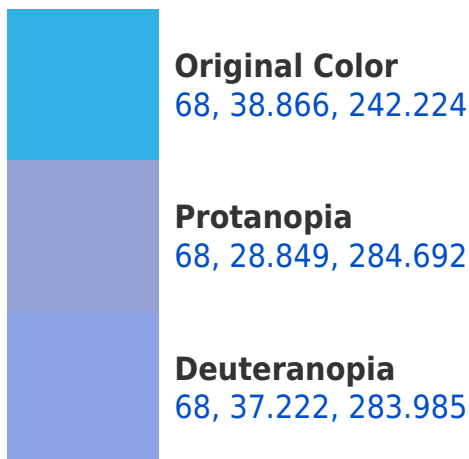


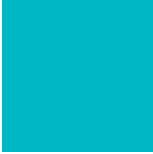
This preview shows how white text looks on a background with the CIELCh color 68, 38.866, 242.224.

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, 37.670, 209.509

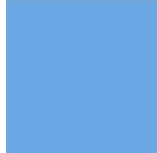
Trichromacy



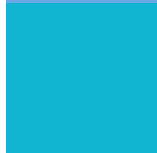
Original Color
68, 38.866, 242.224



Protanomaly
67, 31.679, 262.347



Deuteranomaly
67, 36.824, 265.943



Tritanomaly
68, 37.171, 221.840

Monochromacy



Original Color
68, 38.866, 242.224



Achromatopsia
60, 0.008, 296.813



Achromatomaly
62, 18.206, 232.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 38.866, 242.224 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(47, 178, 227)` looks like.

```
.text, #text, p{  
    color:rgb(47, 178, 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(47, 178, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 178, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 38.866, 242.224 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(47, 178, 227) }
```

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

```
.border{ border-color:rgb(47, 178, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 178, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 178, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 178, 227);  
box-shadow:4px 4px 4px 4px rgb(47, 178,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 38.866, 242.224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 178, 227) }
```

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

```
.background{ background-color: rgb(47, 178,  
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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