

Converting Colors

CIELCh(70, 42.170, 241.764)

Have a look what the booklet for
CIELCh(70, 42.170, 241.764)
contains.

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Color

CIELCh(70, 42.188, 241.576)

Conversions

Conversions Part 1

Format	Color
Hex	0BB9EE
RGB	11, 185, 238
RGB Percent	4%, 73%, 93%
CMY	0.9577, 0.2761, 0.0683
CMYK	0.95, 0.22, 0.00, 0.07
HSL	194°, 91%, 49%
HSV	194°, 95%, 93%
XYZ	32.7714, 40.7494, 86.7052
YIQ	139.0160, -120.7170, -20.4050

Conversions

Conversions Part 2

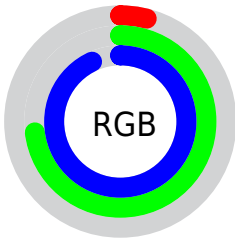
Format	Color
R _Y B	11, 109, 238
Decimal	768494
CIE Lab	70.00, -20.08, -37.10
CIE LCh	70, 42.188, 241.576
Yxy	40.7494, 0.2045, 0.2543
Android (android.graphics.Color)	4278958574 (0xFF0BB9EE)
YUV	139.0160, 48.7991, -112.2700
Hunter-Lab	63.8353, -20.0742, -35.8468

Details

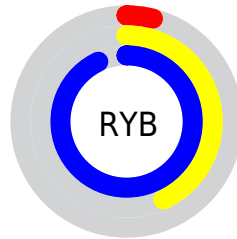
The CIELCh color **70, 42.188, 241.576** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **54, 90.020, 44.416**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 36.472, 208.888**, and **52, 36.606, 251.197** is the 20% darker color. If you saturate the color by 10%, you get **69, 42.799, 243.594**, and if you desaturate by 10%, it is **72, 40.654, 237.438**.

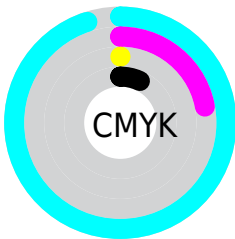
Distribution



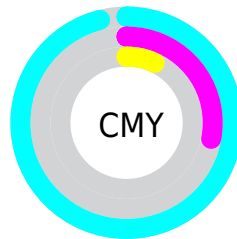
- Red (4%)
- Green (73%)
- Blue (93%)



- Red (4%)
- Yellow (43%)
- Blue (93%)



- Cyan (95%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)





- Cyan (96%)
- Magenta (28%)
- Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 42.188, 241.576 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 70, 42.188, 241.576 by changing the saturation by 10% instead.


 70, 42.188,
241.576


 70, 42.188,
241.576


 100, 42.188,
241.576


 60, 42.188,
241.576


 90, 42.188,
241.576

 50, 42.188,
241.576

 40, 42.188,
241.576

 30, 42.188,
241.576

 20, 42.188,
241.576

 10, 42.188,
241.576

 0, 42.188, 241.576

70, 42.188,
241.576

70, 42.188,
241.576

69, 42.799,
243.594

72, 40.654,
237.438

74, 38.525,
233.990

76, 35.659,
231.204

78, 32.003,
229.002

81, 27.576,
227.290

83, 22.446,
225.979

86, 16.703,
224.992

89, 10.450,

224.270

■ 92, 3.784, 223.827

Harmonies

Complementary

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



70, 42.188, 241.576



54, 90.020, 44.416

Rectangle

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



70, 42.188, 241.576



70, 42.188, 291.576



70, 42.188, 61.576



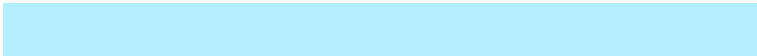
70, 42.188, 111.576

Sweetspot

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



70, 42.187, 241.576



91, 19.903, 225.319



83, 103.225, 139.767



47, 13.446, 225.751



0, 0.000, 0.000



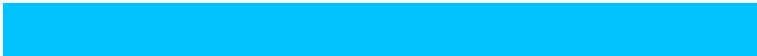
53, 0.007, 296.813

Same Dimension

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



70, 42.187, 241.576



74, 45.193, 243.786



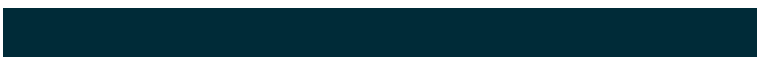
39, 99.097, 299.059



49, 3.929, 223.959



54, 35.154, 242.785



16, 14.994, 235.798

Inverse Universe

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



54, 91.169, 339.888



57, 96.248, 340.576



76, 78.121, 82.449



47, 7.315, 332.312



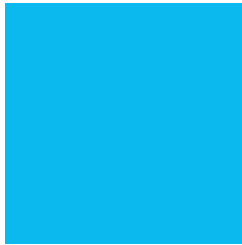
41, 75.456, 340.267



9, 33.728, 338.221

Previews

White Background



This preview shows how the CIE LCh color 70, 42.188, 241.576 looks on a white background.

Color Contrast Check

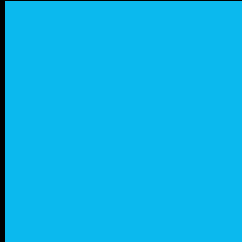
Large Text (above 18pt) WCAG AA × Fail

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 70, 42.188, 241.576 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 70, 42.188, 241.576

Background



This preview shows how black text looks on a background with the CIELCh color 70, 42.188, 241.576.

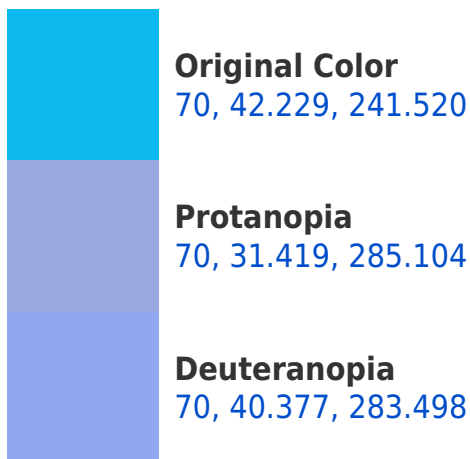


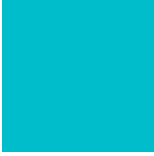
This preview shows how white text looks on a background with the CIELCh color 70, 42.188, 241.576.

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
70, 38.641, 208.238

Trichromacy



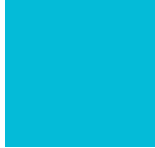
Original Color
70, 42.229, 241.520



Protanomaly
69, 35.603, 259.190



Deuteranomaly
69, 40.542, 263.012



Tritanomaly
70, 38.497, 221.659

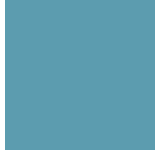
Monochromacy



Original Color
70, 42.229, 241.520



Achromatopsia
58, 0.007, 296.813



Achromatomaly
61, 22.346, 226.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 42.188, 241.576 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(11, 185, 238)` looks like.

```
.text, #text, p{  
    color:rgb(11, 185, 238)  
}
```

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(11, 185, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 185, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 42.188, 241.576 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(11, 185, 238) }
```

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

```
.border{ border-color:rgb(11, 185, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 185, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 185, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 185, 238);  
box-shadow:4px 4px 4px 4px rgb(11, 185,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 42.188, 241.576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 185, 238) }
```

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

```
.background{ background-color: rgb(11, 185,  
238) }
```

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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