

Converting Colors

CIELCh(71, 38.658, 234.259)

Have a look what the booklet for
CIELCh(71, 38.658, 234.259)
contains.

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Color

CIELCh(71, 38.658, 234.259)

Conversions

Conversions Part 1

Format	Color
Hex	2CBCE6
RGB	44, 188, 230
RGB Percent	17%, 74%, 90%
CMY	0.8278, 0.2629, 0.0982
CMYK	0.81, 0.18, 0.00, 0.10
HSL	194°, 79%, 54%
HSV	194°, 81%, 90%
XYZ	33.2818, 42.1875, 81.2119
YIQ	149.7320, -99.3060, -17.4660

Conversions

Conversions Part 2

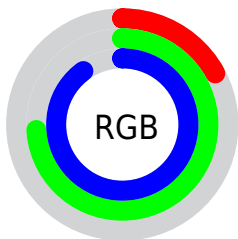
Format	Color
R_{YB}	44, 125, 230
Decimal	2931942
CIE _{Lab}	71.00, -22.58, -31.38
CIE _{LCh}	71, 38.658, 234.259
Yxy	42.1875, 0.2124, 0.2693
Android (android.graphics.Color)	4281122022 (0xFF2CBCE6)
YUV	149.7320, 39.5721, -92.7270
Hunter-Lab	64.9519, -22.2013, -28.6662

Details

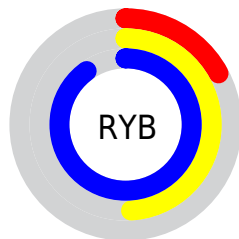
The CIELCh color **71, 38.658, 234.259** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **56, 74.870, 43.936**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 35.231, 206.719**, and **52, 33.484, 240.582** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.312, 237.952**, and if you desaturate by 10%, it is **73, 36.322, 231.240**.

Distribution



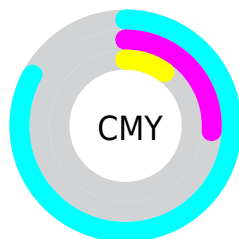
- Red (17%)
- Green (74%)
- Blue (90%)



- Red (17%)
- Yellow (49%)
- Blue (90%)



- Cyan (81%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)





- Cyan (83%)
- Magenta (26%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 38.658, 234.259 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 71, 38.658, 234.259 by changing the saturation by 10% instead.


 71, 38.658,
234.259


 71, 38.658,
234.259


 100, 38.658,
234.259


 61, 38.658,
234.259


 91, 38.658,
234.259

 51, 38.658,
234.259

 41, 38.658,
234.259

 31, 38.658,
234.259

 21, 38.658,
234.259

 11, 38.658,
234.259

 1, 38.658, 234.259

0, 38.658, 234.259

71, 38.658,
234.259

71, 38.658,
234.259

69, 40.312,
237.952

73, 36.322,
231.240

68, 41.438,
241.814

75, 33.217,
228.835

77, 29.330,
226.956

80, 24.705,
225.510

82, 19.424,
224.417

85, 13.584,
223.609

■ 88, 7.285, 223.045

■ 91, 0.619, 223.494

■ 94, 6.330, 42.141

Harmonies

Complementary

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



71, 38.658, 234.259



56, 74.870, 43.936

Rectangle

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



71, 38.658, 234.259



71, 38.658, 284.259



71, 38.658, 54.259



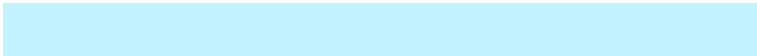
71, 38.658, 104.259

Sweetspot

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



71, 38.657, 234.259



92, 16.792, 223.843



81, 92.116, 141.867



48, 11.399, 224.132



0, 0.000, 0.000



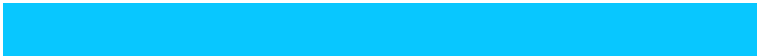
53, 0.007, 296.813

Same Dimension

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



71, 38.657, 234.259



75, 44.473, 240.777



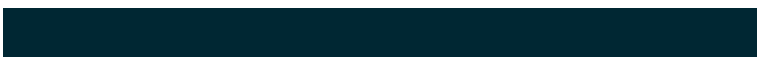
45, 78.710, 293.294



47, 3.803, 222.985



53, 34.179, 241.017



14, 14.050, 233.491

Inverse Universe

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



54, 86.129, 337.677



58, 96.756, 339.652



75, 69.919, 83.806



45, 7.098, 332.019



40, 74.337, 339.730



8, 31.985, 337.583

Previews

White Background



This preview shows how the CIELCh color 71, 38.658, 234.259 looks on a white background.

Color Contrast Check

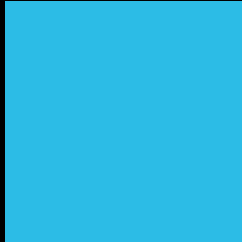
Large Text (above 18pt) WCAG AA × Fail

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 71, 38.658, 234.259 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 71, 38.658, 234.259

Background



This preview shows how black text looks on a background with the CIELCh color 71, 38.658, 234.259.

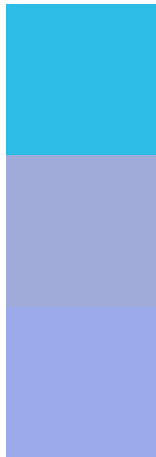


This preview shows how white text looks on a background with the CIELCh color 71, 38.658, 234.259.

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

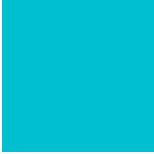
71, 38.658, 234.259

Protanopia

71, 25.276, 285.137

Deuteranopia

71, 35.172, 285.449



Tritanopia
71, 39.065, 208.919

Trichromacy



Original Color
71, 38.658, 234.259



Protanomaly
70, 29.461, 256.018



Deuteranomaly
70, 34.591, 261.912



Tritanomaly
71, 38.452, 217.055

Monochromacy



Original Color
71, 38.658, 234.259



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 19.025, 224.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 38.658, 234.259 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(44, 188, 230)` looks like.

```
.text, #text, p{  
    color:rgb(44, 188, 230)  
}
```

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(44, 188, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 188, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 38.658, 234.259 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(44, 188, 230) }
```

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

```
.border{ border-color:rgb(44, 188, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 188, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 188, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 188, 230);  
box-shadow:4px 4px 4px 4px rgb(44, 188,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 38.658, 234.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 188, 230) }
```

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

```
.background{ background-color: rgb(44, 188,  
230) }
```

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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