

Converting Colors

CIELCh(71, 22.454, 250.135)

Have a look what the booklet for
CIELCh(71, 22.454, 250.135)
contains.

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Color

CIELCh(71, 22.454, 250.135)

Conversions

Conversions Part 1

Format	Color
Hex	85B4D4
RGB	133, 180, 212
RGB Percent	52%, 71%, 83%
CMY	0.4798, 0.2955, 0.1701
CMYK	0.37, 0.15, 0.00, 0.17
HSL	204°, 48%, 68%
HSV	204°, 37%, 83%
XYZ	37.6998, 42.1875, 68.1956
YIQ	169.5950, -38.2840, -0.0120

Conversions

Conversions Part 2

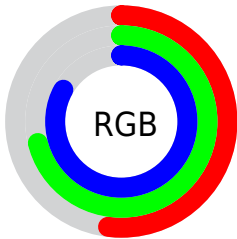
Format	Color
RYB	133, 162, 212
Decimal	8762580
CIELab	71.00, -7.63, -21.12
CIELCh	71, 22.454, 250.135
Yxy	42.1875, 0.2546, 0.2849
Android (android.graphics.Color)	4286952660 (0xFF85B4D4)
YUV	169.5950, 20.9057, -32.0938
Hunter-Lab	64.9519, -10.0596, -16.7846

Details

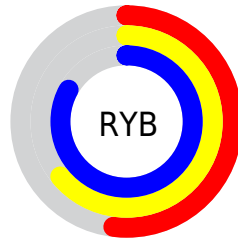
The CIELCh color **71, 22.454, 250.135** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71, 26.636, 60.722**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 18.065, 231.841**, and **51, 22.467, 250.040** is the 20% darker color. If you saturate the color by 10%, you get **67, 27.861, 252.475**, and if you desaturate by 10%, it is **75, 16.749, 248.212**.

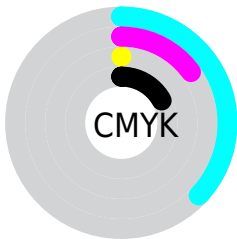
Distribution



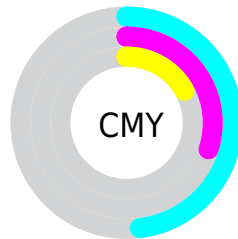
- Red (52%)
- Green (71%)
- Blue (83%)



- Red (52%)
- Yellow (64%)
- Blue (83%)



- Cyan (37%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)





- Cyan (48%)
- Magenta (30%)
- Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 22.454, 250.135 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, 22.454, 250.135 by changing the saturation by 10% instead.


 71, 22.454,
250.135


 71, 22.454,
250.135


 100, 22.454,
250.135


 61, 22.454,
250.135


 91, 22.454,
250.135

 51, 22.454,
250.135

 41, 22.454,
250.135

 31, 22.454,
250.135

 21, 22.454,
250.135

 11, 22.454,
250.135

 1, 22.454, 250.135

0, 22.454, 250.135

71, 22.454,
250.135

71, 22.454,
250.135

67, 27.861,
252.475

75, 16.749,
248.212

64, 32.948,
255.315

78, 10.791,
246.645

61, 37.717,
258.717

82, 4.626, 245.399

58, 42.218,
262.715

86, 1.700, 63.951

55, 46.557,
267.273

90, 8.144, 63.268

52, 50.889,
272.229

93, 13.429, 67.601

95, 15.422, 87.208

■ 51, 52.090,
273.520

■ 97, 18.741,
100.975

■ 99, 21.912,
108.518

Harmonies

Complementary

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



71, 22.454, 250.135



71, 26.636, 60.722

Rectangle

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



71, 22.454, 250.135



71, 22.454, 300.135



71, 22.454, 70.135



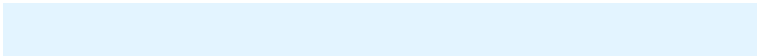
71, 22.454, 120.135

Sweetspot

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



71, 22.453, 250.133



95, 8.041, 245.830



79, 37.998, 155.221



50, 5.393, 245.999



0, 0.000, 0.000



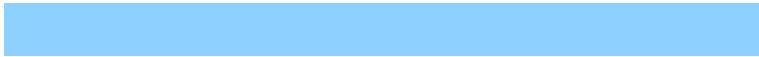
53, 0.007, 296.813

Same Dimension

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



71, 22.453, 250.133



81, 30.949, 252.008



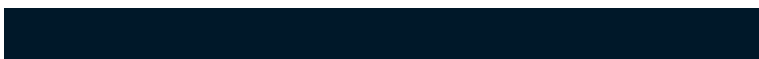
60, 40.096, 291.032



42, 3.539, 245.627



41, 43.353, 272.647



7, 14.233, 261.134

Inverse Universe

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



65, 38.821, 342.073



73, 54.034, 342.962



81, 37.221, 101.827



41, 5.787, 339.538



37, 63.958, 353.084



5, 22.969, 347.630

Previews

White Background



This preview shows how the CIELCh color 71, 22.454, 250.135 looks on a white background.

Color Contrast Check

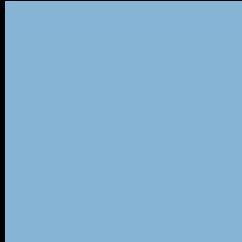
Large Text (above 18pt) WCAG AA × Fail

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 71, 22.454, 250.135 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, 22.454, 250.135

Background



This preview shows how black text looks on a background with the CIELCh color 71, 22.454, 250.135.

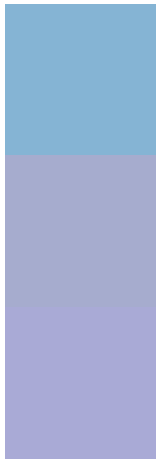


This preview shows how white text looks on a background with the CIELCh color 71, 22.454, 250.135.

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, 22.454, 250.135

Protanopia
71, 18.646, 285.670

Deuteranopia
71, 24.063, 291.713



Tritanopia
71, 18.929, 224.029

Trichromacy



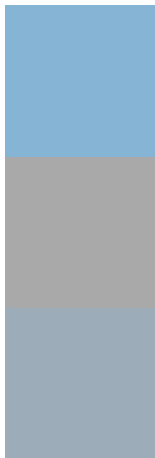
Original Color
71, 22.454, 250.135

Protanomaly
71, 19.117, 270.392

Deuteranomaly
71, 21.924, 276.492

Tritanomaly
71, 19.727, 234.166

Monochromacy



Original Color
71, 22.454, 250.135

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 8.816, 247.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 22.454, 250.135 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(133, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(133, 180, 212)  
}
```

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(133, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 180, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 22.454, 250.135 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(133, 180, 212) }
```

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

```
.border{ border-color:rgb(133, 180, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 180, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(133, 180,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 22.454, 250.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 180, 212) }
```

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

```
.background{ background-color: rgb(133,  
180, 212) }
```

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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