

Converting Colors

CIELCh(71, 22.301, 216.878)

Have a look what the booklet for
CIELCh(71, 22.301, 216.878)
contains.

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Color

CIELCh(71, 22.262, 216.622)

Conversions

Conversions Part 1

Format	Color
Hex	75B8C5
RGB	117, 184, 197
RGB Percent	46%, 72%, 77%
CMY	0.5405, 0.2777, 0.2268
CMYK	0.41, 0.07, 0.00, 0.23
HSL	190°, 41%, 62%
HSV	190°, 41%, 77%
XYZ	34.6352, 42.1875, 59.2474
YIQ	165.4490, -44.1050, -10.1610

Conversions

Conversions Part 2

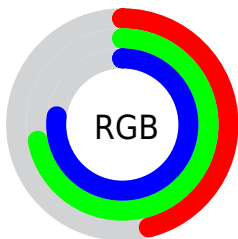
Format	Color
RYB	117, 153, 197
Decimal	7715013
CIELab	71.00, -17.87, -13.28
CIElCh	71, 22.262, 216.622
Yxy	42.1875, 0.2545, 0.3100
Android (android.graphics.Color)	4285905093 (0xFF75B8C5)
YUV	165.4490, 15.5546, -42.4898
Hunter-Lab	64.9519, -18.4819, -8.6164

Details

The CIELCh color **71, 22.262, 216.622** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61, 30.021, 36.023**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 22.395, 217.197**, and **51, 22.319, 215.881** is the 20% darker color. If you saturate the color by 10%, you get **69, 26.385, 217.477**, and if you desaturate by 10%, it is **73, 17.501, 216.019**.

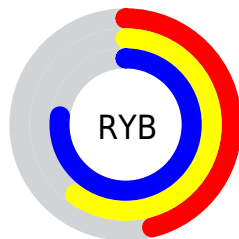
Distribution



Red (46%)

Green (72%)

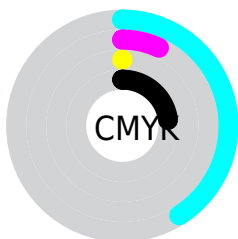
Blue (77%)



Red (46%)

Yellow (60%)

Blue (77%)

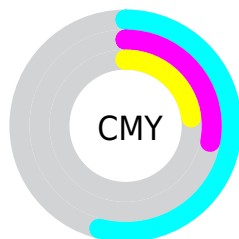


Cyan (41%)

Magenta (7%)

Yellow (0%)

Black (23%)



Cyan (54%)


Magenta (28%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 22.262, 216.622 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, 22.262, 216.622 by changing the saturation by 10% instead.


 71, 22.262,
216.622


 71, 22.262,
216.622


 100, 22.262,
216.622


 61, 22.262,
216.622


 91, 22.262,
216.622

 51, 22.262,
216.622

 41, 22.262,
216.622

 31, 22.262,
216.622

 21, 22.262,
216.622

 11, 22.262,
216.622

 1, 22.262, 216.622

0, 22.262, 216.622

71, 22.262,
216.622

71, 22.262,
216.622

69, 26.385,
217.477

73, 17.501,
216.019

68, 29.787,
218.649

75, 12.200,
215.628

66, 32.411,
220.202

77, 6.456, 215.424

65, 34.244,
222.208

79, 0.359, 216.739

64, 35.334,
224.729

82, 6.009, 35.112

63, 35.876,
227.528

84, 12.578, 35.214

87, 19.214, 35.395

■ 88, 18.575, 41.118

■ 88, 18.137, 47.182

Harmonies

Complementary

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



71, 22.262, 216.622



61, 30.021, 36.023

Rectangle

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



71, 22.262, 216.622



71, 22.262, 266.622



71, 22.262, 36.622



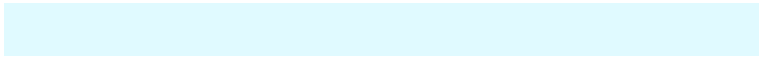
71, 22.262, 86.622

Sweetspot

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



71, 22.262, 216.619



97, 8.990, 215.443



73, 47.091, 145.583



51, 5.941, 215.463



0, 0.000, 0.000



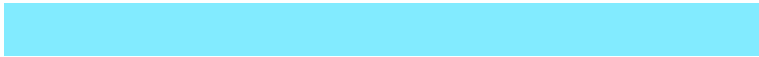
53, 0.007, 296.813

Same Dimension

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



71, 22.262, 216.619



88, 31.641, 217.395



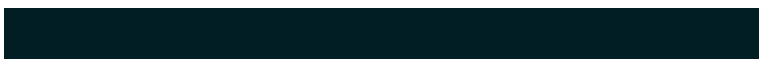
60, 30.245, 276.643



41, 3.498, 215.415



52, 31.180, 227.043



9, 11.325, 219.681

Inverse Universe

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



60, 46.698, 331.777



72, 68.425, 332.377



71, 30.737, 84.456



39, 6.598, 329.788



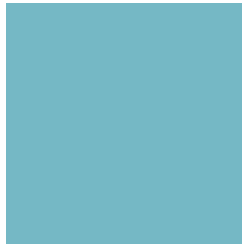
37, 72.984, 335.874



4, 23.208, 333.234

Previews

White Background



This preview shows how the CIELCh color 71, 22.262, 216.622 looks on a white background.

Color Contrast Check

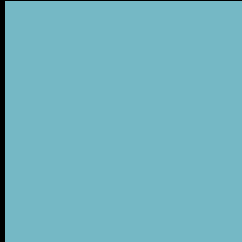
Large Text (above 18pt) WCAG AA × Fail

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, 22.262, 216.622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

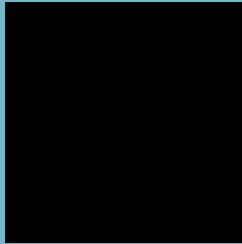
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 22.262, 216.622

Background



This preview shows how black text looks on a background with the CIELCh color 71, 22.262, 216.622.



This preview shows how white text looks on a background with the CIELCh color 71, 22.262, 216.622.

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

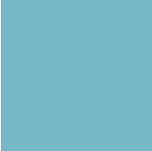
71, 22.262, 216.622

Protanopia

71, 9.297, 288.881

Deuteranopia

71, 17.254, 301.246



Tritanopia
71, 22.224, 219.728

Trichromacy



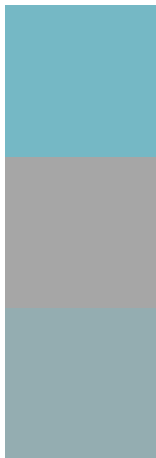
Original Color
71, 22.262, 216.622

Protanomaly
70, 12.122, 245.345

Deuteranomaly
71, 14.607, 263.459

Tritanomaly
71, 22.110, 218.302

Monochromacy



Original Color
71, 22.262, 216.622

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 9.172, 212.649

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 22.262, 216.622 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(117, 184, 197)` looks like.

```
.text, #text, p{  
    color:rgb(117, 184, 197)  
}
```

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(117, 184, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 184, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 22.262, 216.622 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(117, 184, 197) }
```

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

```
.border{ border-color:rgb(117, 184, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 184, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 184, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 184, 197);  
box-shadow:4px 4px 4px 4px rgb(117, 184,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 22.262, 216.622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 184, 197) }
```

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

```
.background{ background-color: rgb(117,  
184, 197) }
```

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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