

Converting Colors

CIE LCh(71, 2.202, 280.022)

Have a look what the booklet for
CIELCh(71, 2.202, 280.022) contains.

CIELCh(71, 2.215, 280.782)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(71, 2.215, 280.782)

Conversions

Conversions Part 1

Format	Color
Hex	ADAEB2
RGB	173, 174, 178
RGB Percent	68%, 68%, 70%
CMY	0.3229, 0.3190, 0.3033
CMYK	0.03, 0.02, 0.00, 0.30
HSL	228°, 3%, 69%
HSV	228°, 3%, 70%
XYZ	40.2310, 42.1875, 47.9632
YIQ	174.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

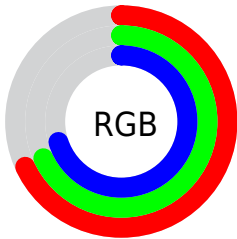
Format	Color
R_{YB}	173, 174, 178
Decimal	11382450
CIE Lab	71.00, 0.41, -2.18
CIE LCh	71, 2.215, 280.782
Yxy	42.1875, 0.3086, 0.3236
Android (android.graphics.Color)	4289572530 (0xFFADAEB2)
YUV	174.1570, 1.8946, -1.0147
Hunter-Lab	64.9519, -3.1035, 1.6842

Details

The CIELCh color $71, 2.215, 280.782$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 2.191, 99.991$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 2.618, 282.678$, and $51, 1.790, 277.666$ is the 20% darker color. If you saturate the color by 10%, you get $66, 10.194, 281.933$, and if you desaturate by 10%, it is $76, 5.546, 99.591$.

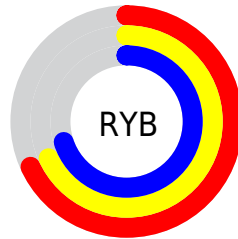
Distribution



Red (68%)

Green (68%)

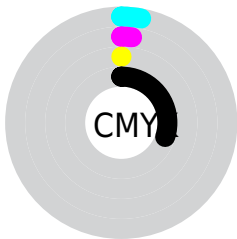
Blue (70%)



Red (68%)

Yellow (68%)

Blue (70%)

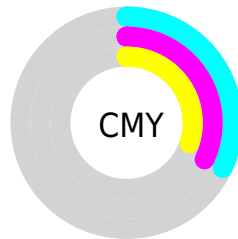


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (30%)



Cyan (32%)

Magenta (32%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 2.215, 280.782 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, 2.215, 280.782 by changing the saturation by 10% instead.

■ 71, 2.215, 280.782

■ 71, 2.215, 280.782

100, 2.215,
280.782

■ 61, 2.215, 280.782

■ 91, 2.215, 280.782

■ 51, 2.215, 280.782

■ 41, 2.215, 280.782

■ 31, 2.215, 280.782

■ 21, 2.215, 280.782

■ 11, 2.215, 280.782

■ 1, 2.215, 280.782

■ 0, 2.215, 280.782

■ 71, 2.215, 280.782

■ 71, 2.215, 280.782

66, 10.194,
281.933

76, 5.546, 99.591

61, 18.410,
283.369

81, 13.098, 98.684

55, 26.883,
285.050

86, 20.451, 97.885

50, 35.636,
287.009

96, 34.188,
100.758

45, 44.696,
289.274

98, 38.794,
107.218

40, 54.073,
291.846

36, 63.725,
294.678

31, 73.466,
297.647

27, 82.843,

Harmonies

Complementary

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



71, 2.215, 280.782



72, 2.191, 99.991

Rectangle

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



71, 2.215, 280.782



71, 2.215, 330.782



71, 2.215, 100.782



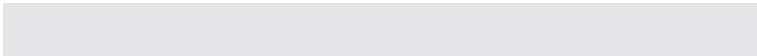
71, 2.215, 150.782

Sweetspot

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



71, 2.214, 280.747



91, 0.982, 280.659



72, 1.956, 181.977



49, 0.563, 280.662



96, 0.011, 296.813



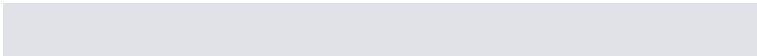
49, 0.007, 296.813

Same Dimension

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



71, 2.214, 280.747



90, 2.933, 280.770



71, 2.795, 301.322



37, 1.790, 280.837



21, 78.865, 302.032



2, 11.324, 282.984

Inverse Universe

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



71, 1.969, 3.218



90, 2.610, 3.258



72, 2.763, 121.027



37, 1.595, 3.359



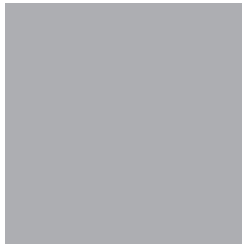
32, 62.971, 28.528



2, 9.412, 6.747

Previews

White Background



This preview shows how the CIE LCh color 71, 2.215, 280.782 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, 2.215, 280.782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

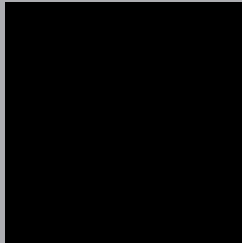
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 2.215, 280.782

Background



This preview shows how black text looks on a background with the CIELCh color 71, 2.215, 280.782.



This preview shows how white text looks on a background with the CIELCh color 71, 2.215, 280.782.

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, 2.215, 280.782

Protanopia

71, 2.473, 317.317

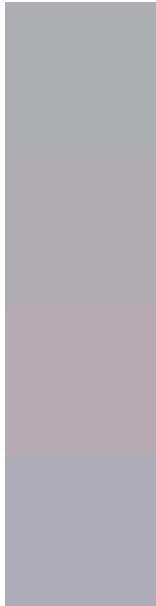
Deuteranopia

71, 9.656, 341.858



Tritanopia
71, 7.702, 296.364

Trichromacy



Original Color

71, 2.215, 280.782

Protanomaly

71, 2.324, 309.119

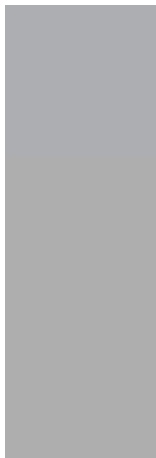
Deuteranomaly

71, 6.693, 332.716

Tritanomaly

71, 5.484, 294.562

Monochromacy



Original Color

71, 2.215, 280.782

Achromatopsia

71, 0.009, 296.813

Achromatomaly

71, 0.554, 290.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 2.215, 280.782 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(173, 174, 178)` looks like.

```
.text, #text, p{  
    color:rgb(173, 174, 178)  
}
```

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(173, 174, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 174, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 2.215, 280.782 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(173, 174, 178) }
```

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

```
.border{ border-color:rgb(173, 174, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 174, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 174, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 174, 178);  
box-shadow:4px 4px 4px 4px rgb(173, 174,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 2.215, 280.782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 174, 178) }
```

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

```
.background{ background-color: rgb(173,  
174, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor