

Converting Colors

CIELCh(71, 2.313, 199.227)

Have a look what the booklet for
CIELCh(71, 2.313, 199.227) contains.

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Color

CIELCh(71, 2.229, 199.442)

Conversions

Conversions Part 1

Format	Color
Hex	A9AFAF
RGB	169, 175, 175
RGB Percent	66%, 69%, 69%
CMY	0.3373, 0.3137, 0.3137
CMYK	0.03, 0.00, 0.00, 0.31
HSL	180°, 4%, 67%
HSV	180°, 3%, 69%
XYZ	39.4275, 42.1875, 46.6200
YIQ	173.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

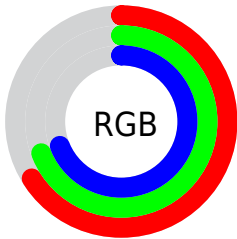
Format	Color
RYB	169, 172, 175
Decimal	11120559
CIELab	71.00, -2.10, -0.74
CIELCh	71, 2.229, 199.442
Yxy	42.1875, 0.3075, 0.3290
Android (android.graphics.Color)	4289310639 (0xFFA9AFAF)
YUV	173.2060, 0.8844, -3.6887
Hunter-Lab	64.9519, -5.3118, 2.9102

Details

The CIELCh color $71, 2.229, 199.442$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 2.279, 19.350$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 2.534, 187.681$, and $51, 2.370, 199.310$ is the 20% darker color. If you saturate the color by 10%, you get $70, 8.521, 198.710$, and if you desaturate by 10%, it is $72, 4.358, 19.622$.

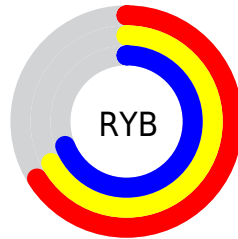
Distribution



Red (66%)

Green (69%)

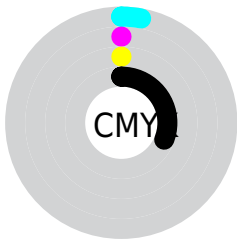
Blue (69%)



Red (66%)

Yellow (67%)

Blue (69%)

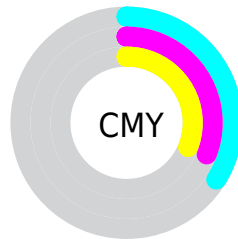


Cyan (3%)

Magenta (0%)

Yellow (0%)

Black (31%)



Cyan (34%)

Magenta (31%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 2.229, 199.442 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, 2.229, 199.442 by changing the saturation by 10% instead.

■ 71, 2.229, 199.442

■ 71, 2.229, 199.442

■ 100, 2.229,
199.442

■ 61, 2.229, 199.442

■ 91, 2.229, 199.442

■ 51, 2.229, 199.442

■ 41, 2.229, 199.442

■ 31, 2.229, 199.442

■ 21, 2.229, 199.442

■ 11, 2.229, 199.442

■ 1, 2.229, 199.442

■ 0, 2.229, 199.442

■ 71, 2.229, 199.442

■ 71, 2.229, 199.442

70, 8.521, 198.710

72, 4.358, 19.622

69, 14.418,
198.200

74, 11.158, 20.276

68, 19.819,
197.751

76, 18.099, 20.895

67, 24.623,
197.362

77, 25.120, 21.516

66, 28.737,
197.034

79, 31.570, 22.078

66, 32.089,
196.769

79, 31.569, 22.070

65, 34.639,
196.569

79, 31.568, 22.054

65, 36.389,
196.430

65, 37.394,
196.348

Harmonies

Complementary

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



71, 2.229, 199.442



70, 2.279, 19.350

Rectangle

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



71, 2.229, 199.442



71, 2.229, 249.442



71, 2.229, 19.442



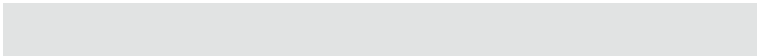
71, 2.229, 69.442

Sweetspot

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



71, 2.230, 199.401



90, 0.806, 200.062



71, 3.974, 143.872



48, 0.462, 200.108



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



71, 2.230, 199.401



90, 3.208, 199.332



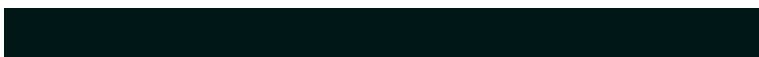
70, 1.951, 254.178



36, 1.822, 199.277



56, 33.819, 196.314



6, 7.801, 199.362

Inverse Universe

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



70, 2.279, 19.350



88, 3.290, 19.424



70, 1.957, 73.015



35, 1.875, 19.483



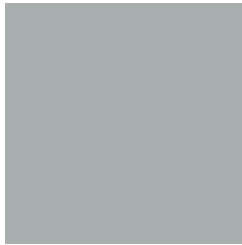
31, 69.965, 39.428



2, 7.802, 19.372

Previews

White Background



This preview shows how the CIELCh color 71, 2.229, 199.442 looks on a white background.

Color Contrast Check

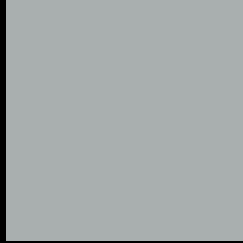
Large Text (above 18pt) WCAG AA × Fail

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, 2.229, 199.442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

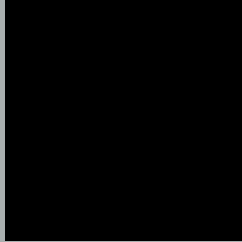
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

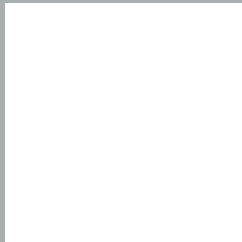
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 2.229, 199.442

Background



This preview shows how black text looks on a background with the CIELCh color 71, 2.229, 199.442.

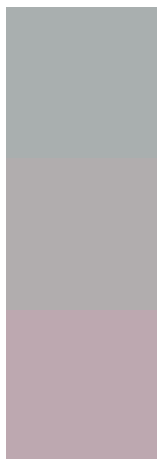


This preview shows how white text looks on a background with the CIELCh color 71, 2.229, 199.442.

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, 2.229, 199.442

Protanopia

71, 1.610, 359.442

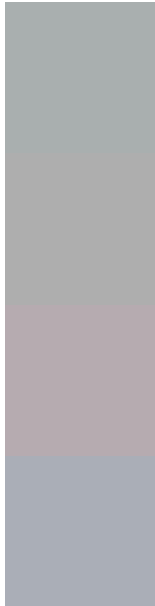
Deuteranopia

71, 9.094, 351.578



Tritanopia
71, 7.672, 285.524

Trichromacy



Original Color

71, 2.229, 199.442

Protanomaly

71, 0.009, 296.813

Deuteranomaly

71, 4.983, 346.608

Tritanomaly

71, 5.104, 274.049

Monochromacy



Original Color

71, 2.229, 199.442

Achromatopsia

71, 0.009, 296.813

Achromatomaly

71, 0.747, 200.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 2.229, 199.442 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(169, 175, 175)` looks like.

```
.text, #text, p{  
    color:rgb(169, 175, 175)  
}
```

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(169, 175, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 175, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 2.229, 199.442 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(169, 175, 175) }
```

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

```
.border{ border-color:rgb(169, 175, 175) }
```

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

Here you see how a box with a 4 pixel rgb(169, 175, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 175, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 175, 175);  
box-shadow:4px 4px 4px 4px rgb(169, 175,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 2.229, 199.442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 175, 175) }
```

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

```
.background{ background-color: rgb(169,  
175, 175) }
```

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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