

Converting Colors

CIELCh(71, 1.199, 236.046)

Have a look what the booklet for
CIELCh(71, 1.199, 236.046) contains.

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Color

CIELCh(71, 0.922, 236.311)

Conversions

Conversions Part 1

Format	Color
Hex	ACAEOF
RGB	172, 174, 175
RGB Percent	67%, 68%, 69%
CMY	0.3251, 0.3173, 0.3134
CMYK	0.02, 0.01, 0.00, 0.31
HSL	200°, 2%, 68%
HSV	200°, 2%, 69%
XYZ	39.9341, 42.1875, 46.6434
YIQ	173.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

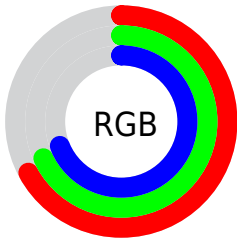
Format	Color
RYB	172, 173, 175
Decimal	11316911
CIELab	71.00, -0.51, -0.77
CIELCh	71, 0.922, 236.311
Yxy	42.1875, 0.3101, 0.3276
Android (android.graphics.Color)	4289506991 (0xFFACAEAF)
YUV	173.5160, 0.7316, -1.3295
Hunter-Lab	64.9519, -3.9194, 2.8889

Details

The CIELCh color $71, 0.922, 236.311$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 0.921, 54.964$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 0.877, 236.417$, and $51, 0.981, 236.234$ is the 20% darker color. If you saturate the color by 10%, you get $68, 6.170, 236.694$, and if you desaturate by 10%, it is $74, 4.494, 54.876$.

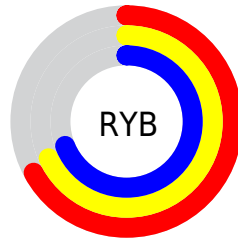
Distribution



Red (67%)

Green (68%)

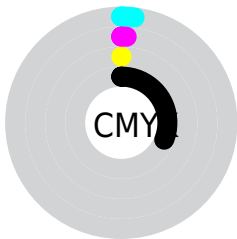
Blue (69%)



Red (67%)

Yellow (68%)

Blue (69%)

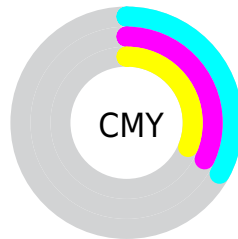


Cyan (2%)

Magenta (1%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (32%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 0.922, 236.311 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, 0.922, 236.311 by changing the saturation by 10% instead.

■ 71, 0.922, 236.311

■ 71, 0.922, 236.311

■ 100, 0.922,
236.311

■ 61, 0.922, 236.311

■ 91, 0.922, 236.311

■ 51, 0.922, 236.311

■ 41, 0.922, 236.311

■ 31, 0.922, 236.311

■ 21, 0.922, 236.311

■ 11, 0.922, 236.311

■ 1, 0.922, 236.311

■ 0, 0.922, 236.311

■ 71, 0.922, 236.311

■ 71, 0.922, 236.311

68, 6.170, 236.694

74, 4.494, 54.876

65, 11.201,
237.797

77, 10.035, 54.335

63, 15.962,
239.200

80, 15.667, 53.867

60, 20.398,
240.957

83, 21.360, 53.480

57, 24.459,
243.144

86, 25.512, 55.369

55, 28.112,
245.845

87, 25.627, 63.408

53, 31.352,
249.140

88, 26.248, 71.201

50, 34.222,
253.081

90, 27.337, 78.475

48, 36.818,
257.655

Harmonies

Complementary

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



71, 0.922, 236.311



71, 0.921, 54.964

Rectangle

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



71, 0.922, 236.311



71, 0.922, 286.311



71, 0.922, 56.311



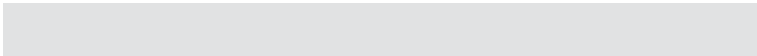
71, 0.922, 106.311

Sweetspot

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



71, 0.922, 236.189



90, 0.667, 236.457



71, 1.590, 155.048



48, 0.382, 236.498



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, 0.922, 236.189



89, 1.327, 236.140



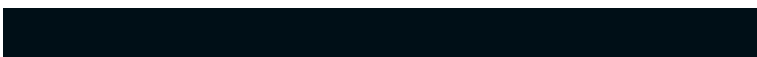
71, 1.359, 281.672



37, 0.604, 236.163



40, 34.567, 260.997



4, 6.545, 246.974

Inverse Universe

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



71, 1.586, 335.543



89, 2.285, 335.596



71, 1.340, 101.100



36, 1.039, 335.568



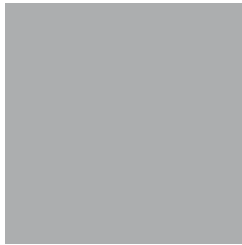
33, 61.242, 346.931



2, 10.233, 339.847

Previews

White Background



This preview shows how the CIELCh color 71, 0.922, 236.311 looks on a white background.

Color Contrast Check

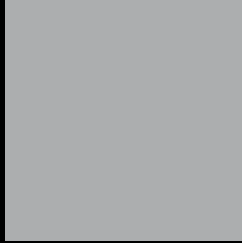
Large Text (above 18pt) WCAG AA × Fail

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, 0.922, 236.311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

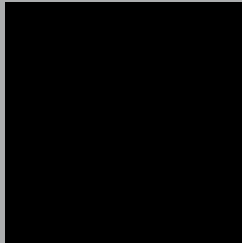
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

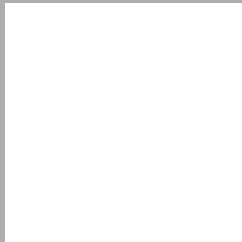
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 0.922, 236.311

Background



This preview shows how black text looks on a background with the CIELCh color 71, 0.922, 236.311.

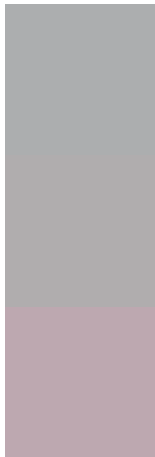


This preview shows how white text looks on a background with the CIELCh color 71, 0.922, 236.311.

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, 0.922, 236.311

Protanopia

71, 1.262, 353.509

Deuteranopia

71, 9.094, 351.578



Tritanopia
71, 7.702, 296.364

Trichromacy



Original Color

71, 0.922, 236.311

Protanomaly

71, 0.939, 343.352

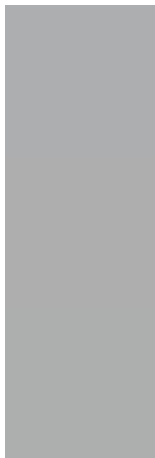
Deuteranomaly

71, 5.919, 346.312

Tritanomaly

71, 4.920, 290.675

Monochromacy



Original Color

71, 0.922, 236.311

Achromatopsia

71, 0.009, 296.813

Achromatomaly

71, 0.373, 200.707

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 0.922, 236.311 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(172, 174, 175)` looks like.

```
.text, #text, p{  
    color:rgb(172, 174, 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(172, 174, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 174, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 0.922, 236.311 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(172, 174, 175) }
```

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

```
.border{ border-color:rgb(172, 174, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 174, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 174, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 174, 175);  
box-shadow:4px 4px 4px 4px rgb(172, 174,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 0.922, 236.311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 174, 175) }
```

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

```
.background{ background-color: rgb(172,  
174, 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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