

Converting Colors

CIELCh(72, 3.019, 188.932)

Have a look what the booklet for
CIELCh(72, 3.019, 188.932) contains.

CIELCh(72, 3.019, 188.932)	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(72, 3.019, 188.932)

Conversions

Conversions Part 1

Format	Color
Hex	AAB2B1
RGB	170, 178, 177
RGB Percent	67%, 70%, 69%
CMY	0.3326, 0.3012, 0.3052
CMYK	0.04, 0.00, 0.01, 0.30
HSL	172°, 5%, 68%
HSV	172°, 4%, 70%
XYZ	40.5254, 43.6590, 47.9792
YIQ	175.4940, -4.4470, -2.0070

Conversions

Conversions Part 2

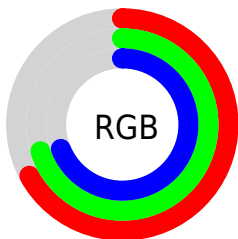
Format	Color
RYB	170, 174, 178
Decimal	11186865
CIELab	72.00, -2.98, -0.47
CIELCh	72, 3.019, 188.932
Yxy	43.6590, 0.3066, 0.3303
Android (android.graphics.Color)	4289376945 (0xFFAAB2B1)
YUV	175.4940, 0.7425, -4.8182
Hunter-Lab	66.0750, -6.1527, 3.2001

Details

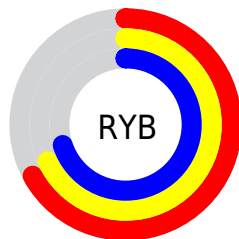
The CIELCh color $72, 3.019, 188.932$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 3.089, 9.318$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 3.217, 190.130$, and $52, 2.831, 187.389$ is the 20% darker color. If you saturate the color by 10%, you get $71, 9.580, 187.989$, and if you desaturate by 10%, it is $73, 3.759, 9.405$.

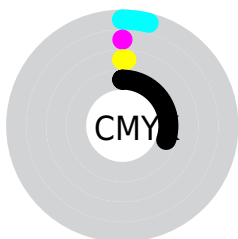
Distribution



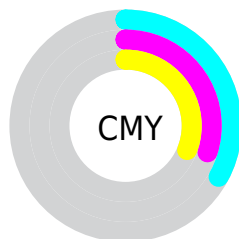
- Red (67%)
- Green (70%)
- Blue (69%)



- Red (67%)
- Yellow (68%)
- Blue (70%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (30%)



- Cyan (33%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 3.019, 188.932 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 72, 3.019, 188.932 by changing the saturation by 10% instead.

■ 72, 3.019, 188.932

■ 72, 3.019, 188.932

■ 100, 3.019,
188.932

■ 62, 3.019, 188.932

■ 92, 3.019, 188.932

■ 52, 3.019, 188.932

■ 42, 3.019, 188.932

■ 32, 3.019, 188.932

■ 22, 3.019, 188.932

■ 12, 3.019, 188.932

■ 2, 3.019, 188.932

■ 0, 3.019, 188.932

■ 72, 3.019, 188.932

■ 72, 3.019, 188.932

71, 9.580, 187.989

73, 3.759, 9.405

69, 15.825,
187.141

75, 10.673, 10.263

68, 21.647,
186.278

77, 17.655, 11.040

68, 26.935,
185.384

79, 24.649, 11.791

67, 31.585,
184.446

80, 30.055, 9.588

66, 35.508,
183.447

80, 30.194, 7.380

66, 38.648,
182.368

80, 30.616, 3.047

65, 40.993,
181.190

65, 42.592,
179.897

Harmonies

Complementary

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



72, 3.019, 188.932



70, 3.089, 9.318

Rectangle

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



72, 3.019, 188.932



72, 3.019, 238.932



72, 3.019, 8.932



72, 3.019, 58.932

Sweetspot

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



72, 3.020, 188.906



92, 0.835, 189.731



72, 5.094, 140.595



49, 0.479, 189.775



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



72, 3.020, 188.906



91, 4.164, 188.840



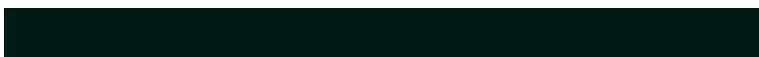
71, 2.446, 240.422



37, 2.285, 188.787



57, 38.627, 179.343



7, 9.506, 184.554

Inverse Universe

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



70, 3.089, 9.318



89, 4.269, 9.388



71, 2.486, 59.248



36, 2.348, 9.444



31, 66.129, 33.705



2, 9.263, 11.408

Previews

White Background



This preview shows how the CIELCh color 72, 3.019, 188.932 looks on a white background.

Color Contrast Check

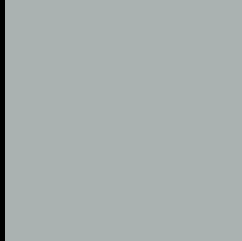
Large Text (above 18pt) WCAG AA × Fail

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 72, 3.019, 188.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

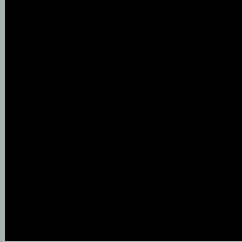
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

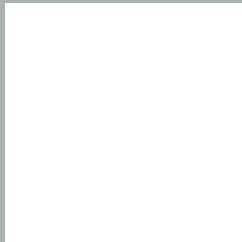
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 3.019, 188.932

Background



This preview shows how black text looks on a background with the CIELCh color 72, 3.019, 188.932.



This preview shows how white text looks on a background with the CIELCh color 72, 3.019, 188.932.

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

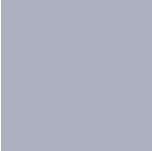
72, 3.019, 188.932

Protanopia

72, 1.606, 359.437

Deuteranopia

72, 9.065, 351.561



Tritanopia
72, 7.735, 280.198

Trichromacy



Original Color
72, 3.019, 188.932

Protanomaly
72, 0.009, 296.813

Deuteranomaly
72, 4.363, 349.798

Tritanomaly
72, 4.838, 263.784

Monochromacy



Original Color
72, 3.019, 188.932

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.247, 173.882

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 3.019, 188.932 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(170, 178, 177)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 177)  
}
```

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(170, 178, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 3.019, 188.932 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(170, 178, 177) }
```

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

```
.border{ border-color:rgb(170, 178, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 178, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 177);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 3.019, 188.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 178, 177) }
```

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

```
.background{ background-color: rgb(170,  
178, 177) }
```

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