

Converting Colors

CIELCh(72, 3.053, 206.466)

Have a look what the booklet for
CIELCh(72, 3.053, 206.466) contains.

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Color

CIELCh(72, 2.990, 209.833)

Conversions

Conversions Part 1

Format	Color
Hex	AAB2B3
RGB	170, 178, 179
RGB Percent	67%, 70%, 70%
CMY	0.3332, 0.3018, 0.2979
CMYK	0.05, 0.01, 0.00, 0.30
HSL	187°, 6%, 68%
HSV	187°, 5%, 70%
XYZ	40.6511, 43.6590, 48.9491
YIQ	175.7220, -5.0890, -1.3850

Conversions

Conversions Part 2

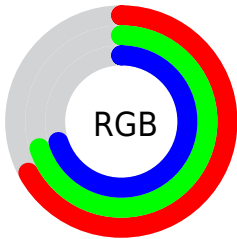
Format	Color
RYB	170, 174, 179
Decimal	11186867
CIELab	72.00, -2.59, -1.49
CIELCh	72, 2.990, 209.833
Yxy	43.6590, 0.3051, 0.3276
Android (android.graphics.Color)	4289376947 (0xFFAAB2B3)
YUV	175.7220, 1.6161, -5.0182
Hunter-Lab	66.0750, -5.8131, 2.3298

Details

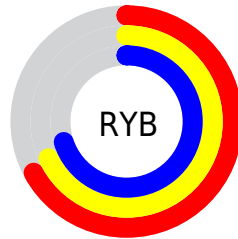
The CIELCh color $72, 2.990, 209.833$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 3.086, 29.633$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 3.192, 208.719$, and $52, 2.795, 211.267$ is the 20% darker color. If you saturate the color by 10%, you get $70, 8.707, 209.609$, and if you desaturate by 10%, it is $74, 3.022, 29.618$.

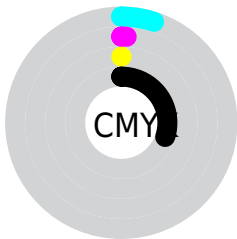
Distribution



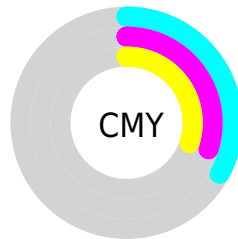
- Red (67%)
- Green (70%)
- Blue (70%)



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



- Cyan (5%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 2.990, 209.833 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, 2.990, 209.833 by changing the saturation by 10% instead.

■ 72, 2.990, 209.833

■ 72, 2.990, 209.833

■ 100, 2.990,
209.833

■ 62, 2.990, 209.833

■ 92, 2.990, 209.833

■ 52, 2.990, 209.833

■ 42, 2.990, 209.833

■ 32, 2.990, 209.833

■ 22, 2.990, 209.833

■ 12, 2.990, 209.833

■ 2, 2.990, 209.833

■ 0, 2.990, 209.833

■ 72, 2.990, 209.833

■ 72, 2.990, 209.833

70, 8.707, 209.609

74, 3.022, 29.618

68, 14.040,
209.611

76, 9.258, 29.953

67, 18.899,
209.756

78, 15.653, 30.242

65, 23.187,
210.066

80, 22.156, 30.553

64, 26.814,
210.574

83, 26.381, 33.763

63, 29.706,
211.319

83, 25.902, 36.234

62, 31.823,
212.346

83, 25.473, 38.797

61, 33.165,
213.696

84, 25.099, 41.443

60, 33.795,
215.406

Harmonies

Complementary

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



72, 2.990, 209.833



71, 3.086, 29.633

Rectangle

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



72, 2.990, 209.833



72, 2.990, 259.833



72, 2.990, 29.833



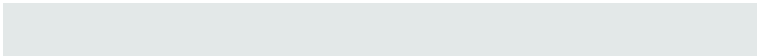
72, 2.990, 79.833

Sweetspot

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



72, 2.991, 209.800



92, 1.480, 210.088



72, 5.577, 147.025



49, 0.848, 210.113



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, 2.991, 209.800



91, 4.396, 209.757



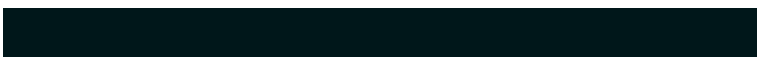
71, 3.218, 266.141



37, 2.344, 209.743



52, 30.285, 216.057



6, 7.916, 215.080

Inverse Universe

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



71, 5.552, 327.842



89, 8.188, 327.912



72, 3.220, 84.714



36, 4.372, 327.939



35, 72.450, 333.118



2, 14.519, 329.268

Previews

White Background



This preview shows how the CIELCh color 72, 2.990, 209.833 looks on a white background.

Color Contrast Check

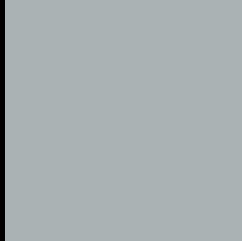
Large Text (above 18pt) WCAG AA × Fail

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, 2.990, 209.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

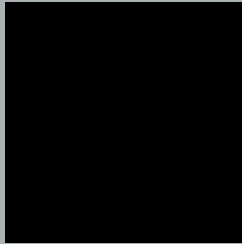
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

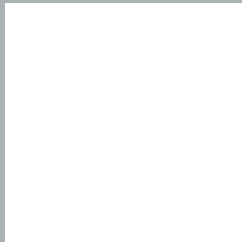
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 2.990, 209.833

Background



This preview shows how black text looks on a background with the CIELCh color 72, 2.990, 209.833.



This preview shows how white text looks on a background with the CIELCh color 72, 2.990, 209.833.

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, 2.990, 209.833

Protanopia

72, 2.234, 332.348

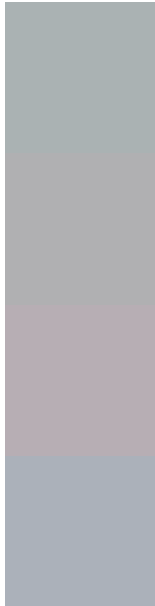
Deuteranopia

72, 9.007, 347.304



Tritanopia
72, 7.735, 280.198

Trichromacy



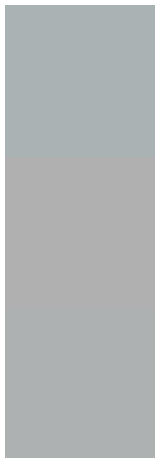
Original Color
72, 2.990, 209.833

Protanomaly
72, 1.097, 290.338

Deuteranomaly
72, 4.717, 335.935

Tritanomaly
72, 5.326, 266.524

Monochromacy



Original Color
72, 2.990, 209.833

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 1.116, 199.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 2.990, 209.833 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 178, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 178, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 2.990, 209.833 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, 179) }
```

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

```
.border{ border-color:rgb(170, 178, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 178, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 178, 179);  
box-shadow:4px 4px 4px 4px rgb(170, 178,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 2.990, 209.833 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, 179) }
```

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

```
.background{ background-color: rgb(170,  
178, 179) }
```

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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