

Converting Colors

CIELCh(72, 19.969, 303.602)

Have a look what the booklet for
CIELCh(72, 19.969, 303.602)
contains.

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Color

CIELCh(72, 20.158, 304.071)

Conversions

Conversions Part 1

Format	Color
Hex	B7ABCF
RGB	183, 171, 207
RGB Percent	72%, 67%, 81%
CMY	0.2826, 0.3297, 0.1885
CMYK	0.12, 0.17, 0.00, 0.19
HSL	260°, 27%, 74%
HSV	260°, 17%, 81%
XYZ	45.3144, 43.6590, 65.0228
YIQ	178.6920, -4.4040, 13.7400

Conversions

Conversions Part 2

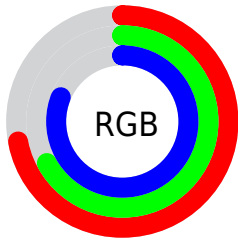
Format	Color
R_{YB}	183, 171, 207
Decimal	12037071
CIE _{Lab}	72.00, 11.29, -16.70
CIE _{LCh}	72, 20.158, 304.071
Yxy	43.6590, 0.2943, 0.2835
Android (android.graphics.Color)	4290227151 (0xFFB7ABCF)
YUV	178.6920, 13.9558, 3.7781
Hunter-Lab	66.0750, 6.7845, -12.0934

Details

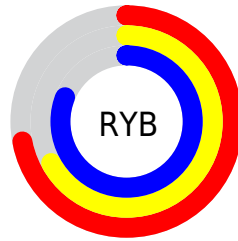
The CIELCh color `72, 20.158, 304.071` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `81, 19.523, 122.100`, and the grayscale version is `73, 0.009, 296.813`.

A 20% lighter version of the original color is `92, 15.750, 307.784`, and `52, 20.260, 304.022` is the 20% darker color. If you saturate the color by 10%, you get `66, 32.281, 304.764`, and if you desaturate by 10%, it is `78, 8.426, 303.448`.

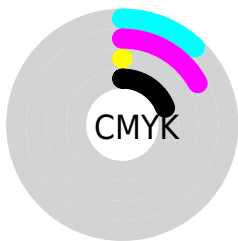
Distribution



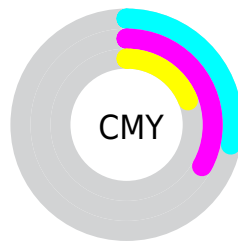
- Red (72%)
- Green (67%)
- Blue (81%)



- Red (72%)
- Yellow (67%)
- Blue (81%)



- Cyan (12%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)





- Cyan (28%)
- Magenta (33%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 20.158, 304.071 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, 20.158, 304.071 by changing the saturation by 10% instead.


 72, 20.158,
304.071


 72, 20.158,
304.071


 100, 20.158,
304.071


 62, 20.158,
304.071


 92, 20.158,
304.071

 52, 20.158,
304.071

 42, 20.158,
304.071

 32, 20.158,
304.071

 22, 20.158,
304.071

 12, 20.158,
304.071

 2, 20.158, 304.071

■ 0, 20.158, 304.071

■ 72, 20.158,
304.071

■ 72, 20.158,
304.071

■ 66, 32.281,
304.764

■ 78, 8.426, 303.448

■ 85, 2.904, 122.933

■ 59, 44.762,
305.530

■ 91, 13.844,
122.443

■ 53, 57.498,
306.351

■ 97, 24.410,
122.029

■ 47, 70.273,
307.190

■ 99, 24.307,
111.056

■ 41, 82.669,
307.980

■ 99, 24.270,
108.337

■ 36, 93.960,
308.607

■ 32, 103.094,
308.913

■ 29, 109.074,
308.761

■ 29, 110.385,
308.712

Harmonies

Complementary

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



72, 20.158, 304.071



81, 19.523, 122.100

Rectangle

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



72, 20.158, 304.071



72, 20.158, 354.071



72, 20.158, 124.071



72, 20.158, 174.071

Sweetspot

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



72, 20.156, 304.070



96, 6.726, 303.311



78, 10.351, 235.246



51, 4.594, 303.353



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 20.156, 304.070



84, 29.019, 304.329



73, 22.273, 320.078



41, 6.542, 303.568



23, 94.489, 308.852



2, 26.061, 301.789

Inverse Universe

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



74, 18.612, 336.902



87, 26.670, 337.205



80, 22.102, 138.455



41, 6.088, 336.291



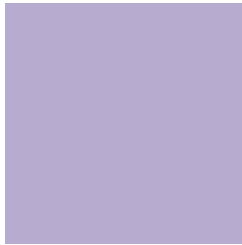
37, 66.351, 347.234



5, 24.111, 342.927

Previews

White Background



This preview shows how the CIELCh color 72, 20.158, 304.071 looks on a white background.

Color Contrast Check

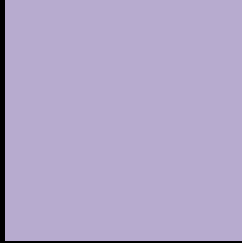
Large Text (above 18pt) WCAG AA × Fail

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, 20.158, 304.071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

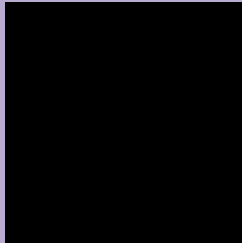
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 20.158, 304.071

Background



This preview shows how black text looks on a background with the CIELCh color 72, 20.158, 304.071.



This preview shows how white text looks on a background with the CIELCh color 72, 20.158, 304.071.

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, 20.158, 304.071

Protanopia

72, 19.128, 285.879

Deuteranopia

72, 19.299, 299.265



Tritanopia
72, 7.974, 306.878

Trichromacy



Original Color
72, 20.158, 304.071

Protanomaly
72, 19.077, 292.014

Deuteranomaly
72, 19.349, 300.295

Tritanomaly
72, 12.384, 304.771

Monochromacy



Original Color
72, 20.158, 304.071

Achromatopsia
73, 0.009, 296.813

Achromatomaly
73, 7.248, 302.477

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 20.158, 304.071 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(183, 171, 207)` looks like.

```
.text, #text, p{  
    color:rgb(183, 171, 207)  
}
```

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(183, 171, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 171, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 20.158, 304.071 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(183, 171, 207) }
```

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

```
.border{ border-color:rgb(183, 171, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 171, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 171, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 171, 207);  
box-shadow:4px 4px 4px 4px rgb(183, 171,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 20.158, 304.071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 171, 207) }
```

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

```
.background{ background-color: rgb(183,  
171, 207) }
```

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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