

Converting Colors

CIELCh(72, 29.015, 280.965)

Have a look what the booklet for
CIELCh(72, 29.015, 280.965)
contains.

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Color

CIELCh(72, 28.736, 280.722)

Conversions

Conversions Part 1

Format	Color
Hex	9DB0E4
RGB	157, 176, 228
RGB Percent	62%, 69%, 89%
CMY	0.3855, 0.3109, 0.1071
CMYK	0.31, 0.23, 0.00, 0.11
HSL	224°, 57%, 75%
HSV	224°, 31%, 89%
XYZ	43.2761, 43.6590, 79.3208
YIQ	176.2470, -28.0160, 12.1440

Conversions

Conversions Part 2

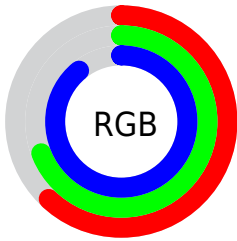
Format	Color
RYB	157, 172, 228
Decimal	10334436
CIELab	72.00, 5.35, -28.23
CIElCh	72, 28.736, 280.722
Yxy	43.6590, 0.2603, 0.2626
Android (android.graphics.Color)	4288524516 (0xFF9DB0E4)
YUV	176.2470, 25.5142, -16.8796
Hunter-Lab	66.0750, 1.2780, -24.9231

Details

The CIELCh color `72, 28.736, 280.722` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `84, 28.254, 92.146`, and the grayscale version is `72, 0.009, 296.813`.

A 20% lighter version of the original color is `91, 13.671, 265.125`, and `52, 28.310, 280.479` is the 20% darker color. If you saturate the color by 10%, you get `66, 38.434, 282.774`, and if you desaturate by 10%, it is `78, 19.285, 278.966`.

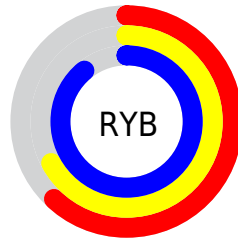
Distribution



Red (62%)

Green (69%)

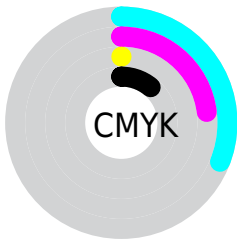
Blue (89%)



Red (62%)

Yellow (67%)

Blue (89%)

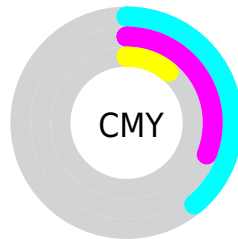


Cyan (31%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (39%)


Magenta (31%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 28.736, 280.722 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, 28.736, 280.722 by changing the saturation by 10% instead.

 72, 28.736,
280.722

 72, 28.736,
280.722


 100, 28.736,
280.722

 62, 28.736,
280.722


 92, 28.736,
280.722

 52, 28.736,
280.722

 42, 28.736,
280.722

 32, 28.736,
280.722

 22, 28.736,
280.722

 12, 28.736,
280.722

 2, 28.736, 280.722

0, 28.736, 280.722

72, 28.736,
280.722

72, 28.736,
280.722

66, 38.434,
282.774

78, 19.285,
278.966

60, 48.415,
285.161

84, 10.064,
277.472

55, 58.711,
287.897

90, 1.056, 276.367

49, 69.332,
290.955

96, 7.750, 95.021

44, 80.208,
294.240

99, 13.818,
109.133

39, 91.071,
297.566

■ 36,100.221,
300.282

Harmonies

Complementary

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



72, 28.736, 280.722



84, 28.254, 92.146

Rectangle

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



72, 28.736, 280.722



72, 28.736, 330.722



72, 28.736, 100.722



72, 28.736, 150.722

Sweetspot

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



72, 28.735, 280.721



94, 8.865, 277.188



85, 26.509, 174.034



49, 6.169, 277.383



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, 28.735, 280.721



76, 37.668, 281.926



68, 39.564, 301.172



45, 5.138, 277.241



28, 82.245, 299.779



5, 27.367, 290.416

Inverse Universe

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



72, 29.112, 1.777



76, 38.182, 2.720



88, 36.910, 116.552



45, 5.116, 359.081



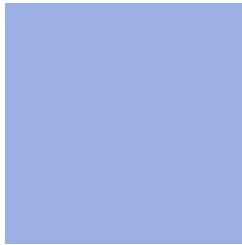
37, 68.158, 23.810



7, 26.641, 10.231

Previews

White Background



This preview shows how the CIELCh color 72, 28.736, 280.722 looks on a white background.

Color Contrast Check

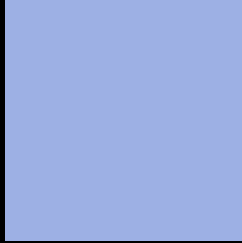
Large Text (above 18pt) WCAG AA × Fail

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, 28.736, 280.722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

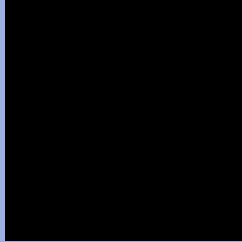
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 28.736, 280.722

Background



This preview shows how black text looks on a background with the CIELCh color 72, 28.736, 280.722.



This preview shows how white text looks on a background with the CIELCh color 72, 28.736, 280.722.

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, 28.736, 280.722

Protanopia

72, 28.986, 285.909

Deuteranopia

72, 30.017, 288.111



Tritanopia
72, 13.194, 237.205

Trichromacy



Original Color
72, 28.736, 280.722

Protanomaly
72, 28.528, 283.804

Deuteranomaly
72, 29.554, 285.500

Tritanomaly
72, 17.897, 261.472

Monochromacy



Original Color
72, 28.736, 280.722

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 10.591, 277.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 28.736, 280.722 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(157, 176, 228)` looks like.

```
.text, #text, p{  
    color:rgb(157, 176, 228)  
}
```

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(157, 176, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 176, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 28.736, 280.722 is called "border". The border property can be set on classes, ids or directly on the HTML element.

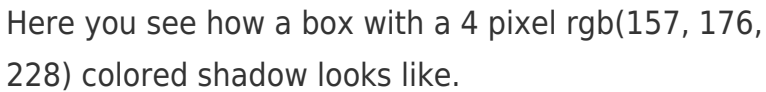
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 176, 228) }
```

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

```
.border{ border-color:rgb(157, 176, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 176, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 176, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 176, 228); box-shadow:4px 4px 4px 4px rgb(157, 176, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 28.736, 280.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 176, 228) }
```

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

```
.background{ background-color: rgb(157,  
176, 228) }
```

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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