

Converting Colors

CIELCh(72, 28.777, 285.574)

Have a look what the booklet for
CIELCh(72, 28.777, 285.574)
contains.

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Color

CIELCh(72, 28.986, 285.909)

Conversions

Conversions Part 1

Format	Color
Hex	A3AEE3
RGB	163, 174, 227
RGB Percent	64%, 68%, 89%
CMY	0.3604, 0.3172, 0.1094
CMYK	0.28, 0.23, 0.00, 0.11
HSL	230°, 53%, 77%
HSV	230°, 28%, 89%
XYZ	44.1593, 43.6590, 78.8476
YIQ	176.7530, -23.5690, 14.1510

Conversions

Conversions Part 2

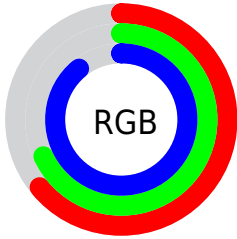
Format	Color
RYB	163, 172, 227
Decimal	10727139
CIELab	72.00, 7.95, -27.88
CIELCh	72, 28.986, 285.909
Yxy	43.6590, 0.2650, 0.2620
Android (android.graphics.Color)	4288917219 (0xFFA3AEE3)
YUV	176.7530, 24.7718, -12.0614
Hunter-Lab	66.0750, 3.6640, -24.4986

Details

The CIELCh color $72, 28.986, 285.909$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $86, 27.878, 98.827$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 13.823, 277.205$, and $52, 28.586, 285.778$ is the 20% darker color. If you saturate the color by 10%, you get $66, 39.942, 287.743$, and if you desaturate by 10%, it is $79, 18.400, 284.342$.

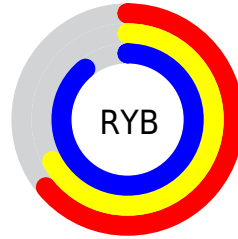
Distribution



Red (64%)

Green (68%)

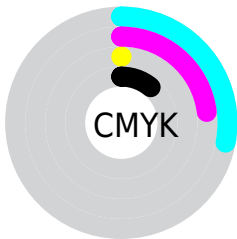
Blue (89%)



Red (64%)

Yellow (67%)

Blue (89%)

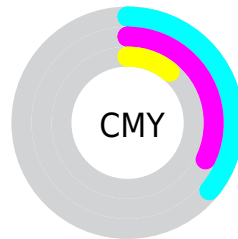


Cyan (28%)

Magenta (23%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (32%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 28.986, 285.909 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, 28.986, 285.909 by changing the saturation by 10% instead.

■ 72, 28.986,
285.909

■ 72, 28.986,
285.909

■ 100, 28.986,
285.909

■ 62, 28.986,
285.909

■ 92, 28.986,
285.909

■ 52, 28.986,
285.909

■ 42, 28.986,
285.909

■ 32, 28.986,
285.909

■ 22, 28.986,
285.909

■ 12, 28.986,
285.909

■ 2, 28.986, 285.909

■ 0, 28.986, 285.909

■ 72, 28.986,
285.909

■ 72, 28.986,
285.909

■ 66, 39.942,
287.743

■ 79, 18.400,
284.342

■ 59, 51.305,
289.876

■ 85, 8.156, 283.012

■ 53, 63.091,
292.319

■ 91, 1.773, 101.758

■ 47, 75.251,
295.036

■ 98, 11.408,
100.846

■ 41, 87.562,
297.916

■ 99, 14.115,
109.111

■ 36, 99.446,
300.750

■ 32,109.848,
303.231

■ 32,111.496,
303.602

Harmonies

Complementary

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



72, 28.986, 285.909



86, 27.878, 98.827

Rectangle

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



72, 28.986, 285.909



72, 28.986, 335.909



72, 28.986, 105.909



72, 28.986, 155.909

Sweetspot

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



72, 28.985, 285.908



94, 8.759, 282.997



86, 22.592, 181.969



49, 6.238, 283.183



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, 28.985, 285.908



76, 38.806, 286.981



71, 35.807, 304.271



45, 5.721, 283.170



24, 91.983, 303.240



4, 29.694, 293.122

Inverse Universe

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



73, 25.505, 8.480



78, 34.266, 9.387



87, 33.886, 120.826



45, 4.932, 6.224



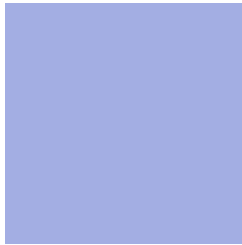
37, 72.346, 31.345



7, 26.697, 14.600

Previews

White Background



This preview shows how the CIELCh color 72, 28.986, 285.909 looks on a white background.

Color Contrast Check

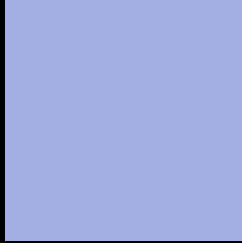
Large Text (above 18pt) WCAG AA × Fail

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, 28.986, 285.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

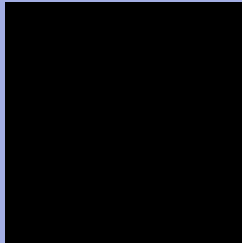
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 28.986, 285.909

Background



This preview shows how black text looks on a background with the CIELCh color 72, 28.986, 285.909.



This preview shows how white text looks on a background with the CIELCh color 72, 28.986, 285.909.

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, 28.986, 285.909

Protanopia

72, 29.018, 285.291

Deuteranopia

72, 29.459, 288.575



Tritanopia
72, 11.144, 242.283

Trichromacy



Original Color
72, 28.986, 285.909

Protanomaly
72, 29.018, 285.291

Deuteranomaly
72, 29.478, 287.958

Tritanomaly
72, 16.364, 268.440

Monochromacy



Original Color
72, 28.986, 285.909

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 10.417, 283.338

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 28.986, 285.909 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(163, 174, 227)` looks like.

```
.text, #text, p{  
    color:rgb(163, 174, 227)  
}
```

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(163, 174, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 174, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 28.986, 285.909 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(163, 174, 227) }
```

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

```
.border{ border-color:rgb(163, 174, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 174, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 174, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 174, 227);  
box-shadow:4px 4px 4px 4px rgb(163, 174,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 28.986, 285.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 174, 227) }
```

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

```
.background{ background-color: rgb(163,  
174, 227) }
```

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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