

Converting Colors

CIELCh(70, 23.150, 272.464)

Have a look what the booklet for
CIELCh(70, 23.150, 272.464)
contains.

CIELCh(70, 23.498, 272.967)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 23.498, 272.967)

Conversions

Conversions Part 1

Format	Color
Hex	94ACD5
RGB	148, 172, 213
RGB Percent	58%, 67%, 84%
CMY	0.4185, 0.3244, 0.1636
CMYK	0.30, 0.19, 0.00, 0.16
HSL	218°, 44%, 71%
HSV	218°, 30%, 84%
XYZ	39.1136, 40.7494, 68.9449
YIQ	169.4980, -27.4650, 7.6630

Conversions

Conversions Part 2

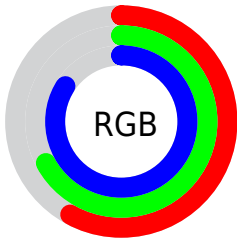
Format	Color
RYB	148, 166, 213
Decimal	9743573
CIELab	70.00, 1.22, -23.47
CIELCh	70, 23.498, 272.967
Yxy	40.7494, 0.2628, 0.2738
Android (android.graphics.Color)	4287933653 (0xFF94ACD5)
YUV	169.4980, 21.4465, -18.8537
Hunter-Lab	63.8353, -2.3400, -19.3512

Details

The CIELCh color `70, 23.498, 272.967` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `78, 23.998, 84.174`, and the grayscale version is `69, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 16.364, 262.500`, and `50, 23.351, 272.405` is the 20% darker color. If you saturate the color by 10%, you get `65, 31.377, 275.114`, and if you desaturate by 10%, it is `75, 15.704, 271.136`.

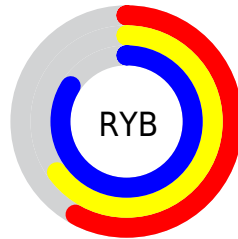
Distribution



Red (58%)

Green (67%)

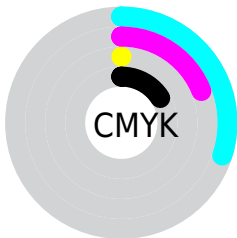
Blue (84%)



Red (58%)

Yellow (65%)

Blue (84%)

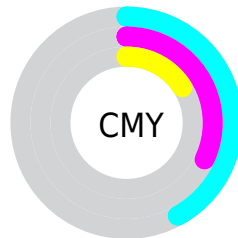


Cyan (30%)

Magenta (19%)

Yellow (0%)

Black (16%)



Cyan (42%)

Magenta (32%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 23.498, 272.967 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 70, 23.498, 272.967 by changing the saturation by 10% instead.

■ 70, 23.498,
272.967

■ 70, 23.498,
272.967

■ 100, 23.498,
272.967

■ 60, 23.498,
272.967

■ 90, 23.498,
272.967

■ 50, 23.498,
272.967

■ 40, 23.498,
272.967

■ 30, 23.498,
272.967

■ 20, 23.498,
272.967

■ 10, 23.498,
272.967

■ 0, 23.498, 272.967

70, 23.498,
272.967

70, 23.498,
272.967

65, 31.377,
275.114

75, 15.704,
271.136

60, 39.361,
277.625

80, 7.995, 269.587

55, 47.479,
280.531

85, 0.373, 268.961

90, 7.159, 87.014

51, 55.775,
283.829

95, 14.595, 86.032

46, 64.288,
287.461

99, 20.112,
106.537

42, 73.011,
291.289

99, 21.078,
108.581

39, 81.413,
294.846

Harmonies

Complementary

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



70, 23.498, 272.967



78, 23.998, 84.174

Rectangle

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



70, 23.498, 272.967



70, 23.498, 322.967



70, 23.498, 92.967



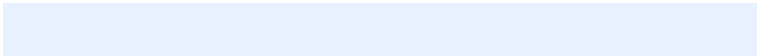
70, 23.498, 142.967

Sweetspot

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



70, 23.497, 272.965



95, 7.932, 269.393



81, 26.486, 167.455



50, 5.516, 269.598



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 23.497, 272.965



78, 33.096, 274.410



64, 36.427, 297.765



42, 4.343, 269.439



31, 67.892, 294.242



5, 20.377, 282.454

Inverse Universe

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



68, 28.067, 354.595



76, 39.568, 355.567



83, 33.885, 112.344



42, 5.094, 352.166



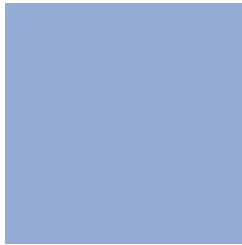
36, 63.200, 14.300



5, 22.560, 2.481

Previews

White Background



This preview shows how the CIELCh color 70, 23.498, 272.967 looks on a white background.

Color Contrast Check

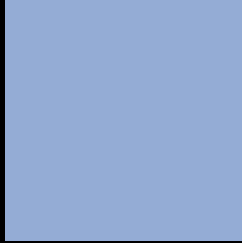
Large Text (above 18pt) WCAG AA × Fail

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 70, 23.498, 272.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

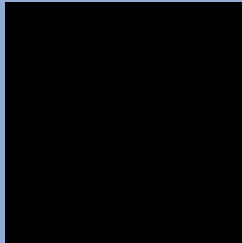
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

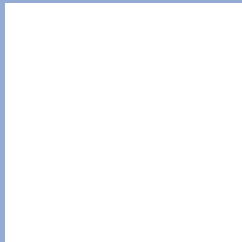
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 23.498, 272.967

Background



This preview shows how black text looks on a background with the CIELCh color 70, 23.498, 272.967.



This preview shows how white text looks on a background with the CIELCh color 70, 23.498, 272.967.

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

70, 23.498, 272.967

Protanopia

70, 23.103, 285.792

Deuteranopia

70, 25.780, 291.224



Tritanopia
70, 13.472, 233.549

Trichromacy



Original Color
70, 23.498, 272.967

Protanomaly
70, 23.333, 280.993

Deuteranomaly
70, 24.789, 284.937

Tritanomaly
70, 15.872, 251.741

Monochromacy



Original Color
70, 23.498, 272.967

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 8.762, 269.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 23.498, 272.967 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(148, 172, 213)` looks like.

```
.text, #text, p{  
    color:rgb(148, 172, 213)  
}
```

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(148, 172, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 172, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 23.498, 272.967 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(148, 172, 213) }
```

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

```
.border{ border-color:rgb(148, 172, 213) }
```

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

Here you see how a box with a 4 pixel rgb(148, 172, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 172, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 172, 213);  
box-shadow:4px 4px 4px 4px rgb(148, 172,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 23.498, 272.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 172, 213) }
```

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

```
.background{ background-color: rgb(148,  
172, 213) }
```

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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