

Converting Colors

CIELCh(72, 22.919, 277.365)

Have a look what the booklet for
CIELCh(72, 22.919, 277.365)
contains.

CIELCh(72, 22.896, 277.344)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(72, 22.896, 277.344)

Conversions

Conversions Part 1

Format	Color
Hex	9FB1DA
RGB	159, 177, 218
RGB Percent	62%, 69%, 85%
CMY	0.3780, 0.3074, 0.1467
CMYK	0.27, 0.19, 0.00, 0.15
HSL	222°, 44%, 74%
HSV	222°, 27%, 85%
XYZ	42.4646, 43.6590, 72.2355
YIQ	176.2920, -23.8890, 8.9350

Conversions

Conversions Part 2

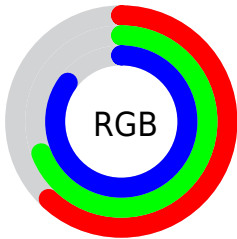
Format	Color
RYB	159, 173, 218
Decimal	10465754
CIELab	72.00, 2.93, -22.71
CIELCh	72, 22.896, 277.344
Yxy	43.6590, 0.2682, 0.2757
Android (android.graphics.Color)	4288655834 (0xFF9FB1DA)
YUV	176.2920, 20.5620, -15.1651
Hunter-Lab	66.0750, -0.9142, -18.5655

Details

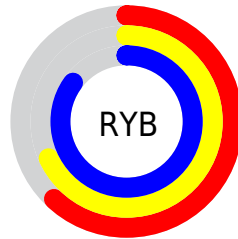
The CIELCh color $72, 22.896, 277.344$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $81, 22.826, 89.880$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 12.742, 262.891$, and $52, 22.698, 276.626$ is the 20% darker color. If you saturate the color by 10%, you get $67, 31.657, 279.309$, and if you desaturate by 10%, it is $77, 14.311, 275.664$.

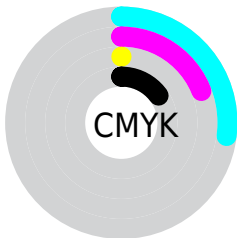
Distribution



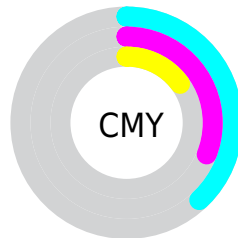
- Red (62%)
- Green (69%)
- Blue (85%)



- Red (62%)
- Yellow (68%)
- Blue (85%)



- Cyan (27%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (38%)
- Magenta (31%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 22.896, 277.344 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, 22.896, 277.344 by changing the saturation by 10% instead.

 72, 22.896,
277.344

 72, 22.896,
277.344

 100, 22.896,
277.344


 62, 22.896,
277.344


 92, 22.896,
277.344

 52, 22.896,
277.344

 42, 22.896,
277.344

 32, 22.896,
277.344

 22, 22.896,
277.344

 12, 22.896,
277.344

 2, 22.896, 277.344

■ 0, 22.896, 277.344

■ 72, 22.896,
277.344

■ 72, 22.896,
277.344

■ 67, 31.657,
279.309

■ 77, 14.311,
275.664

■ 61, 40.620,
281.605

■ 83, 5.894, 274.246

■ 56, 49.815,
284.260

■ 88, 2.363, 92.867

■ 94, 10.464, 91.873

■ 51, 59.278,
287.276

■ 98, 17.560,
105.464

■ 46, 69.017,
290.600

■ 99, 18.914,
108.747

■ 41, 78.954,
294.101

■ 37, 88.828,
297.555

■ 36, 91.622,
298.466

Harmonies

Complementary

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



72, 22.896, 277.344



81, 22.826, 89.880

Rectangle

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



72, 22.896, 277.344



72, 22.896, 327.344



72, 22.896, 97.344



72, 22.896, 147.344

Sweetspot

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



72, 22.895, 277.342



95, 7.552, 274.371



83, 22.906, 172.169



50, 5.373, 274.573



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, 22.895, 277.342



79, 31.896, 278.523



68, 32.822, 299.633



43, 4.747, 274.553



28, 76.133, 297.931



5, 23.312, 286.628

Inverse Universe

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



71, 24.575, 358.520



79, 34.303, 359.390



85, 30.888, 115.437



43, 5.017, 356.437



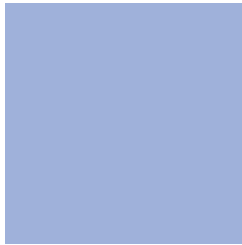
36, 65.412, 20.348



6, 23.912, 6.671

Previews

White Background



This preview shows how the CIELCh color 72, 22.896, 277.344 looks on a white background.

Color Contrast Check

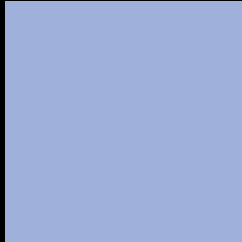
Large Text (above 18pt) WCAG AA × Fail

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, 22.896, 277.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

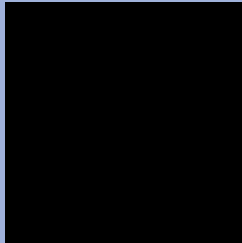
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 22.896, 277.344

Background



This preview shows how black text looks on a background with the CIELCh color 72, 22.896, 277.344.



This preview shows how white text looks on a background with the CIELCh color 72, 22.896, 277.344.

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, 22.896, 277.344

Protanopia

72, 22.954, 286.530

Deuteranopia

72, 24.529, 291.745



Tritanopia
72, 11.877, 238.939

Trichromacy



Original Color
72, 22.896, 277.344

Protanomaly
72, 23.068, 283.270

Deuteranomaly
72, 24.033, 286.923

Tritanomaly
72, 15.011, 259.995

Monochromacy



Original Color
72, 22.896, 277.344

Achromatopsia
72, 0.009, 296.813

Achromatomaly
72, 8.409, 276.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 22.896, 277.344 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(159, 177, 218)` looks like.

```
.text, #text, p{  
    color:rgb(159, 177, 218)  
}
```

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(159, 177, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 177, 218) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 22.896, 277.344 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(159, 177, 218) }
```

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

```
.border{ border-color:rgb(159, 177, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 177, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 177, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 177, 218);  
box-shadow:4px 4px 4px 4px rgb(159, 177,  
218) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 22.896, 277.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 177, 218) }
```

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

```
.background{ background-color: rgb(159,  
177, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor