

Converting Colors

CIELCh(69, 23.581, 272.579)

Have a look what the booklet for
CIELCh(69, 23.581, 272.579)
contains.

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Color

CIELCh(69, 23.636, 272.304)

Conversions

Conversions Part 1

Format	Color
Hex	91AAD3
RGB	145, 170, 211
RGB Percent	57%, 67%, 83%
CMY	0.4323, 0.3343, 0.1736
CMYK	0.31, 0.19, 0.00, 0.17
HSL	217°, 43%, 70%
HSV	217°, 31%, 83%
XYZ	37.6874, 39.3444, 67.0669
YIQ	167.1990, -28.0610, 7.4510

Conversions

Conversions Part 2

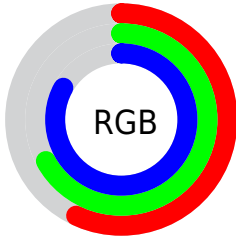
Format	Color
RYB	145, 163, 211
Decimal	9546451
CIELab	69.00, 0.95, -23.62
CIELCh	69, 23.636, 272.304
Yxy	39.3444, 0.2615, 0.2730
Android (android.graphics.Color)	4287736531 (0xFF91AAD3)
YUV	167.1990, 21.5939, -19.4685
Hunter-Lab	62.7251, -2.5201, -19.4865

Details

The CIELCh color `69, 23.636, 272.304` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `77, 24.256, 83.212`, and the grayscale version is `68, 0.008, 296.813`.

A 20% lighter version of the original color is `89, 17.427, 263.420`, and `49, 23.502, 271.813` is the 20% darker color. If you saturate the color by 10%, you get `64, 31.329, 274.488`, and if you desaturate by 10%, it is `74, 16.014, 270.443`.

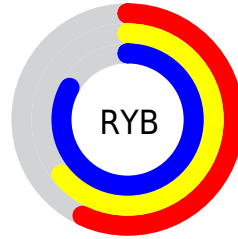
Distribution



Red (57%)

Green (67%)

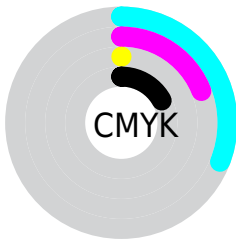
Blue (83%)



Red (57%)

Yellow (64%)

Blue (83%)

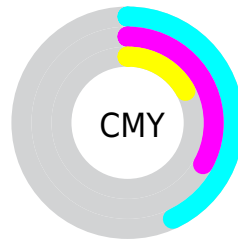


Cyan (31%)

Magenta (19%)

Yellow (0%)

Black (17%)



Cyan (43%)

Magenta (33%)


Yellow (17%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 23.636, 272.304 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 69, 23.636, 272.304 by changing the saturation by 10% instead.

 69, 23.636,
272.304

 69, 23.636,
272.304

 100, 23.636,
272.304


 59, 23.636,
272.304


 89, 23.636,
272.304

 49, 23.636,
272.304

 99, 23.636,
272.304

 39, 23.636,
272.304

 29, 23.636,
272.304

 19, 23.636,
272.304

 9, 23.636, 272.304

 0, 23.636, 272.304

■ 69, 23.636,
272.304

■ 69, 23.636,
272.304

■ 64, 31.329,
274.488

■ 74, 16.014,
270.443

■ 59, 39.112,
277.042

■ 79, 8.462, 268.867

■ 84, 0.985, 267.761

■ 55, 47.012,
279.997

■ 89, 6.413, 86.254

■ 50, 55.076,
283.348

■ 94, 13.724, 85.262

■ 46, 63.347,
287.035

■ 97, 19.226,
101.232

■ 42, 71.825,
290.915

■ 99, 22.355,
108.484

■ 39, 79.290,
294.200

Harmonies

Complementary

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



69, 23.636, 272.304



77, 24.256, 83.212

Rectangle

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



69, 23.636, 272.304



69, 23.636, 322.304



69, 23.636, 92.304



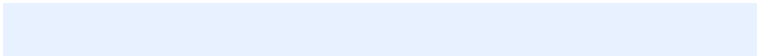
69, 23.636, 142.304

Sweetspot

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



69, 23.635, 272.302



95, 7.852, 268.555



80, 26.916, 167.362



50, 5.459, 268.761



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 23.635, 272.302



78, 33.591, 273.818



63, 37.121, 297.865



41, 4.214, 268.598



31, 65.952, 293.567



5, 18.796, 280.817

Inverse Universe

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



67, 28.705, 354.060



76, 40.823, 355.064



82, 34.452, 112.281



41, 5.022, 351.542



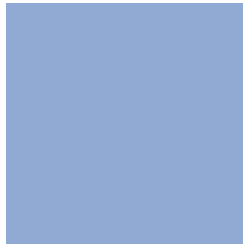
35, 62.341, 13.302



5, 20.867, 1.333

Previews

White Background



This preview shows how the CIE LCh color 69, 23.636, 272.304 looks on a white background.

Color Contrast Check

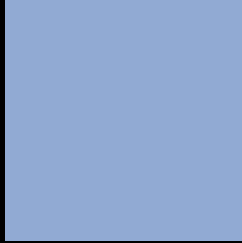
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 69, 23.636, 272.304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

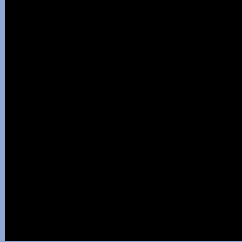
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

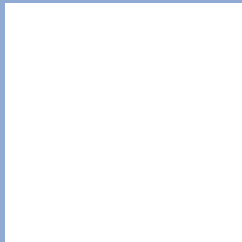
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 23.636, 272.304

Background



This preview shows how black text looks on a background with the CIELCh color 69, 23.636, 272.304.

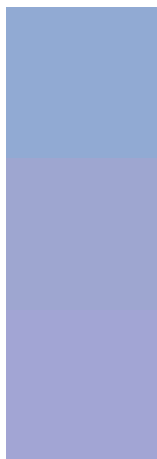


This preview shows how white text looks on a background with the CIELCh color 69, 23.636, 272.304.

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

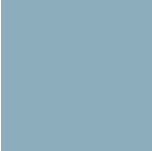
69, 23.636, 272.304

Protanopia

69, 23.177, 285.842

Deuteranopia

69, 25.840, 290.520



Tritanopia
69, 13.754, 232.799

Trichromacy



Original Color
69, 23.636, 272.304

Protanomaly
69, 23.406, 281.054

Deuteranomaly
69, 24.879, 284.234

Tritanomaly
69, 16.316, 253.162

Monochromacy



Original Color
69, 23.636, 272.304

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 8.789, 269.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 23.636, 272.304 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(145, 170, 211)` looks like.

```
.text, #text, p{  
    color:rgb(145, 170, 211)  
}
```

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(145, 170, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 170, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 23.636, 272.304 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(145, 170, 211) }
```

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

```
.border{ border-color:rgb(145, 170, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 170, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 170, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 170, 211);  
box-shadow:4px 4px 4px 4px rgb(145, 170,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 23.636, 272.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 170, 211) }
```

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

```
.background{ background-color: rgb(145,  
170, 211) }
```

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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