

Converting Colors

CIELCh(23, 101.403, 307.609)

Have a look what the booklet for
CIELCh(23, 101.403, 307.609)
contains.

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Color

CIELCh(23, 101.449, 307.562)

Conversions

Conversions Part 1

Format	Color
Hex	2A00B5
RGB	42, 0, 181
RGB Percent	16%, 0%, 71%
CMY	0.8371, 1.0000, 0.2912
CMYK	0.77, 1.00, 0.00, 0.29
HSL	254°, 100%, 35%
HSV	254°, 100%, 71%
XYZ	9.2453, 3.8003, 43.8181
YIQ	33.1920, -33.0690, 65.1950

Conversions

Conversions Part 2

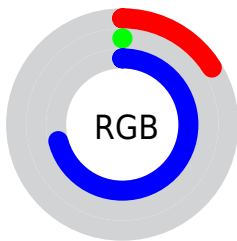
Format	Color
R _Y B	42, 0, 181
Decimal	2752693
CIE Lab	23.00, 61.85, -80.42
CIE LCh	23, 101.449, 307.562
Yxy	3.8003, 0.1626, 0.0668
Android (android.graphics.Color)	4280942773 (0xFF2A00B5)
YUV	33.1920, 72.8693, 7.7246
Hunter-Lab	19.4944, 50.5393, -119.6216

Details

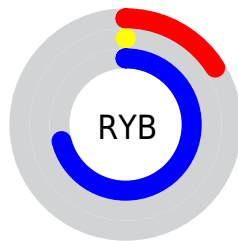
The CIELCh color **23, 101.449, 307.562** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **68, 77.370, 116.300**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 101.354, 307.635**, and **13, 79.367, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 101.367, 307.542**, and if you desaturate by 10%, it is **26, 95.821, 307.332**.

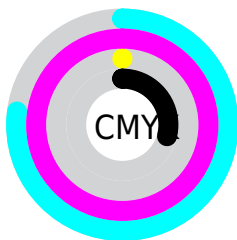
Distribution



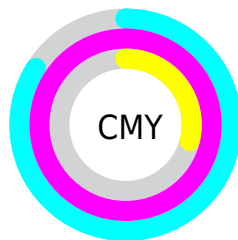
- Red (16%)
- Green (0%)
- Blue (71%)



- Red (16%)
- Yellow (0%)
- Blue (71%)



- Cyan (77%)
- Magenta (100%)
- Yellow (0%)
- Black (29%)





- Cyan (84%)
- Magenta (100%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 101.449, 307.562 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 23, 101.449, 307.562 by changing the saturation by 10% instead.


 23, 101.449,
307.562


 23, 101.449,
307.562


 100, 101.449,
307.562


 13, 101.449,
307.562


 43, 101.449,
307.562


 3, 101.449,
307.562


 53, 101.449,
307.562

 0, 101.449,
307.562

 63, 101.449,
307.562

 73, 101.449,
307.562

 83, 101.449,
307.562

 93, 101.449,

307.562

■ 23, 101.449,
307.562

■ 23, 101.449,
307.562

■ 23, 101.367,
307.542

■ 26, 95.821,
307.332

■ 29, 87.635,
306.738

■ 34, 77.300,
305.784

■ 39, 65.936,
304.666

■ 44, 54.283,
303.526

■ 50, 42.738,
302.443

■ 56, 31.488,
301.457

■ 62, 20.609,
300.579

■ 68, 10.118,
299.808

Harmonies

Complementary

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



23, 101.449, 307.562



68, 77.370, 116.300

Rectangle

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



23, 101.449, 307.562



23, 101.449, 357.562



23, 101.449, 127.562



23, 101.449, 177.562

Sweetspot

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



23, 101.367, 307.542



71, 38.961, 301.504



55, 34.264, 239.110



35, 26.759, 301.902



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



23, 101.367, 307.542



31, 123.454, 307.419



34, 92.188, 317.910



35, 5.665, 299.759



19, 89.519, 307.641



1, 13.437, 297.125

Inverse Universe

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



41, 74.791, 340.009



53, 90.676, 340.260



65, 89.409, 133.427



35, 5.752, 332.152



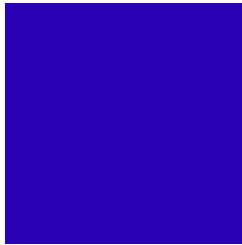
34, 66.284, 339.819



2, 12.966, 335.092

Previews

White Background



This preview shows how the CIE LCh color 23, 101.449, 307.562 looks on a white background.

Color Contrast Check

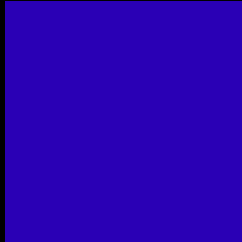
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 23, 101.449, 307.562 looks on a black 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

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

CIELCh 23, 101.449, 307.562

Background



This preview shows how black text looks on a background with the CIELCh color 23, 101.449, 307.562.



This preview shows how white text looks on a background with the CIELCh color 23, 101.449, 307.562.

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

23, 101.449, 307.562

Protanopia

24, 40.691, 284.159

Deuteranopia

24, 28.331, 269.603



Tritanopia
24, 18.177, 202.895

Trichromacy



Original Color
23, 101.449, 307.562

Protanomaly
21, 68.176, 300.342

Deuteranomaly
20, 60.450, 298.538

Tritanomaly
19, 45.449, 293.494

Monochromacy



Original Color
23, 101.449, 307.562

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 45.990, 305.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 101.449, 307.562 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(42, 0, 181)` looks like.

```
.text, #text, p{  
    color:rgb(42, 0, 181)  
}
```

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(42, 0, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 0, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 101.449, 307.562 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(42, 0, 181) }
```

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

```
.border{ border-color:rgb(42, 0, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 0, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 0, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 0, 181);  
box-shadow:4px 4px 4px 4px rgb(42, 0, 181)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 101.449, 307.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 0, 181) }
```

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

```
.background{ background-color: rgb(42, 0,  
181) }
```

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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