

Converting Colors

CIELCh(23, 100.098, 307.781)

Have a look what the booklet for
CIELCh(23, 100.098, 307.781)
contains.

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Color

CIELCh(23, 100.324, 307.769)

Conversions

Conversions Part 1

Format	Color
Hex	2D00B3
RGB	45, 0, 179
RGB Percent	18%, 0%, 70%
CMY	0.8242, 1.0000, 0.2985
CMYK	0.75, 1.00, 0.00, 0.30
HSL	255°, 100%, 35%
HSV	255°, 100%, 70%
XYZ	9.1973, 3.8003, 42.8345
YIQ	33.8610, -30.6390, 65.2090

Conversions

Conversions Part 2

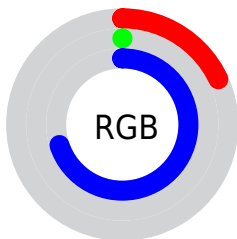
Format	Color
R_{YB}	45, 0, 179
Decimal	2949299
CIE Lab	23.00, 61.45, -79.30
CIE LCh	23, 100.324, 307.769
Yxy	3.8003, 0.1647, 0.0681
Android (android.graphics.Color)	4281139379 (0xFF2D00B3)
YUV	33.8610, 71.5535, 9.7689
Hunter-Lab	19.4944, 50.0994, -116.6300

Details

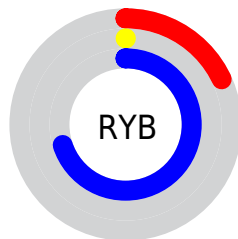
The CIELCh color **23, 100.324, 307.769** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **67, 77.205, 117.374**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 100.314, 307.812**, and **12, 78.913, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 100.287, 307.760**, and if you desaturate by 10%, it is **26, 94.779, 307.613**.

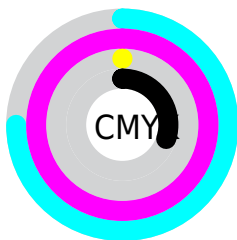
Distribution



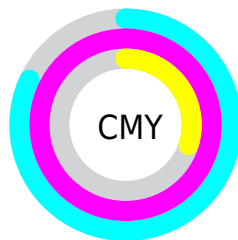
- Red (18%)
- Green (0%)
- Blue (70%)



- Red (18%)
- Yellow (0%)
- Blue (70%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)





- Cyan (82%)
- Magenta (100%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 100.324, 307.769 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, 100.324, 307.769 by changing the saturation by 10% instead.


 23, 100.324,
307.769


 23, 100.324,
307.769


 100, 100.324,
307.769


 13, 100.324,
307.769


 43, 100.324,
307.769


 3, 100.324,
307.769


 53, 100.324,
307.769

 0, 100.324,
307.769

 63, 100.324,
307.769

 73, 100.324,
307.769

 83, 100.324,
307.769

 93, 100.324,

307.769

■ 23, 100.324,
307.769

■ 23, 100.324,
307.769

■ 23, 100.287,
307.760

■ 26, 94.779,
307.613

■ 29, 86.726,
307.096

■ 34, 76.563,
306.224

■ 39, 65.365,
305.185

■ 44, 53.854,
304.114

■ 50, 42.427,
303.090

■ 56, 31.275,
302.151

■ 61, 20.477,
301.312

■ 67, 10.056,
300.573

Harmonies

Complementary

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



23, 100.324, 307.769



67, 77.205, 117.374

Rectangle

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



23, 100.324, 307.769



23, 100.324, 357.769



23, 100.324, 127.769



23, 100.324, 177.769

Sweetspot

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



23, 100.287, 307.760



71, 38.678, 302.196



52, 35.040, 246.126



35, 26.797, 302.578



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, 100.287, 307.760



31, 122.075, 307.628



35, 90.958, 319.010



35, 5.678, 300.526



19, 89.246, 307.860



1, 13.458, 297.742

Inverse Universe

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



40, 73.152, 341.360



52, 88.618, 341.646



64, 89.321, 133.956



35, 5.667, 332.928



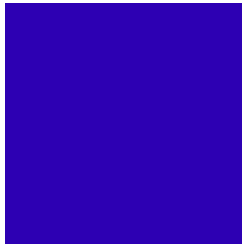
34, 65.328, 341.156



2, 12.730, 336.164

Previews

White Background



This preview shows how the CIE LCh color 23, 100.324, 307.769 looks on a white background.

Color Contrast Check

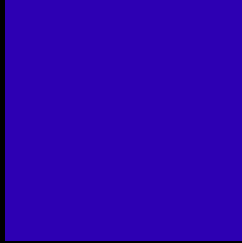
Large Text (above 18pt) WCAG AA ✓ Pass

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, 100.324, 307.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

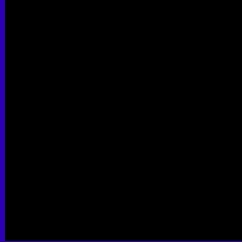
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 100.324, 307.769

Background



This preview shows how black text looks on a background with the CIELCh color 23, 100.324, 307.769.



This preview shows how white text looks on a background with the CIELCh color 23, 100.324, 307.769.

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, 100.324, 307.769

Protanopia

24, 40.691, 284.159

Deuteranopia

24, 28.331, 269.603



Tritanopia
24, 18.177, 202.895

Trichromacy



Original Color
23, 100.324, 307.769

Protanomaly
21, 68.156, 300.404

Deuteranomaly
20, 59.838, 298.499

Tritanomaly
19, 45.433, 293.638

Monochromacy



Original Color
23, 100.324, 307.769

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 45.246, 306.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 100.324, 307.769 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(45, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 179)  
}
```

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(45, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 100.324, 307.769 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(45, 0, 179) }
```

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

```
.border{ border-color:rgb(45, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(45, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(45, 0, 179)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 100.324, 307.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 179) }
```

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

```
.background{ background-color: rgb(45, 0,  
179) }
```

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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