

Converting Colors

CIELCh(23, 96.548, 307.274)

Have a look what the booklet for
CIELCh(23, 96.548, 307.274)
contains.

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Color

CIELCh(23, 96.710, 307.278)

Conversions

Conversions Part 1

Format	Color
Hex	2C08AF
RGB	44, 8, 175
RGB Percent	17%, 3%, 69%
CMY	0.8277, 0.9689, 0.3139
CMYK	0.75, 0.95, 0.00, 0.31
HSL	253°, 91%, 36%
HSV	253°, 95%, 69%
XYZ	8.8565, 3.8003, 40.8049
YIQ	37.8020, -32.1510, 59.5690

Conversions

Conversions Part 2

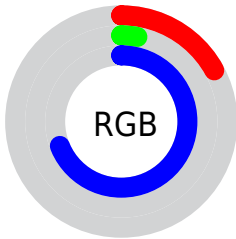
Format	Color
R_{YB}	44, 8, 175
Decimal	2885807
CIE Lab	23.00, 58.58, -76.95
CIE LCh	23, 96.710, 307.278
Yxy	3.8003, 0.1657, 0.0711
Android (android.graphics.Color)	4281075887 (0xFF2C08AF)
YUV	37.8020, 67.6386, 5.4356
Hunter-Lab	19.4944, 46.9792, -110.4575

Details

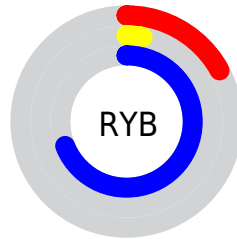
The CIELCh color **23, 96.710, 307.278** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **67, 74.130, 115.211**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 96.889, 307.307**, and **12, 77.091, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **22, 99.126, 307.423**, and if you desaturate by 10%, it is **26, 90.252, 306.898**.

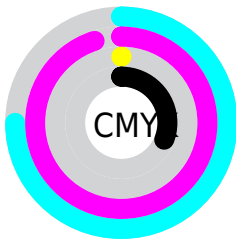
Distribution



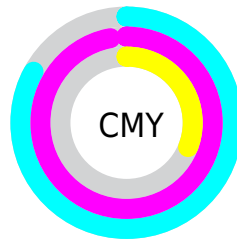
- Red (17%)
- Green (3%)
- Blue (69%)



- Red (17%)
- Yellow (3%)
- Blue (69%)



- Cyan (75%)
- Magenta (95%)
- Yellow (0%)
- Black (31%)





- Cyan (83%)
- Magenta (97%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 96.710, 307.278 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, 96.710, 307.278 by changing the saturation by 10% instead.

 23, 96.710,
307.278


 23, 96.710,
307.278

 100, 96.710,
307.278


 13, 96.710,
307.278


 43, 96.710,
307.278


 3, 96.710, 307.278

 53, 96.710,
307.278

 0, 96.710, 307.278

 63, 96.710,
307.278

 73, 96.710,
307.278

 83, 96.710,
307.278

 93, 96.710,

307.278

■ 23, 96.710,
307.278

■ 23, 96.710,
307.278

■ 22, 99.126,
307.423

■ 26, 90.252,
306.898

■ 30, 81.077,
306.050

■ 35, 70.367,
304.942

■ 40, 59.060,
303.750

■ 45, 47.705,
302.587

■ 51, 36.572,
301.511

■ 57, 25.780,
300.546

■ 63, 15.366,
299.695

■ 68, 5.333, 298.952

Harmonies

Complementary

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



23, 96.710, 307.278



67, 74.130, 115.211

Rectangle

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



23, 96.710, 307.278



23, 96.710, 357.278



23, 96.710, 127.278



23, 96.710, 177.278

Sweetspot

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



23, 96.712, 307.279



70, 36.553, 300.922



54, 32.731, 233.762



34, 25.479, 301.331



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



23, 96.712, 307.279



30, 120.611, 307.302



33, 88.796, 317.641



34, 5.523, 299.225



18, 88.587, 307.512



1, 11.448, 297.059

Inverse Universe

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



40, 73.375, 338.547



51, 89.396, 339.301



63, 85.410, 132.858



34, 5.673, 331.626



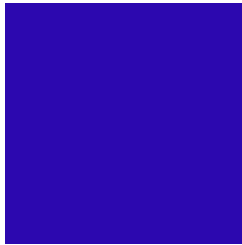
34, 66.162, 338.907



2, 11.277, 333.947

Previews

White Background



This preview shows how the CIE LCh color 23, 96.710, 307.278 looks on a white background.

Color Contrast Check

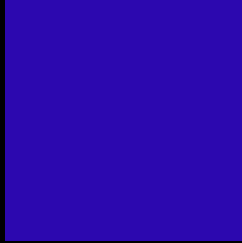
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 23, 96.710, 307.278 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, 96.710, 307.278

Background



This preview shows how black text looks on a background with the CIELCh color 23, 96.710, 307.278.



This preview shows how white text looks on a background with the CIELCh color 23, 96.710, 307.278.

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, 96.710, 307.278

Protanopia

24, 40.147, 284.102

Deuteranopia

23, 27.774, 269.184



Tritanopia
23, 17.986, 202.981

Trichromacy



Original Color
23, 96.710, 307.278

Protanomaly
21, 65.117, 299.495

Deuteranomaly
20, 56.646, 297.293

Tritanomaly
20, 42.715, 291.855

Monochromacy



Original Color
23, 96.710, 307.278

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 42.376, 304.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 96.710, 307.278 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(44, 8, 175)` looks like.

```
.text, #text, p{  
    color:rgb(44, 8, 175)  
}
```

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(44, 8, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 8, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 96.710, 307.278 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(44, 8, 175) }
```

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

```
.border{ border-color:rgb(44, 8, 175) }
```

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

Here you see how a box with a 4 pixel rgb(44, 8, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 8, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 8, 175);  
box-shadow:4px 4px 4px 4px rgb(44, 8, 175)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 96.710, 307.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 8, 175) }
```

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

```
.background{ background-color: rgb(44, 8,  
175) }
```

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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