

Converting Colors

CIELCh(23, 74.777, 316.073)

Have a look what the booklet for
CIELCh(23, 74.777, 316.073)
contains.

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Color

CIELCh(23, 74.597, 316.031)

Conversions

Conversions Part 1

Format	Color
Hex	570186
RGB	87, 1, 134
RGB Percent	34%, 0%, 53%
CMY	0.6577, 0.9944, 0.4734
CMYK	0.35, 0.99, 0.00, 0.47
HSL	279°, 98%, 27%
HSV	279°, 99%, 53%
XYZ	8.2960, 3.8003, 22.9540
YIQ	41.8760, 8.5630, 59.5950

Conversions

Conversions Part 2

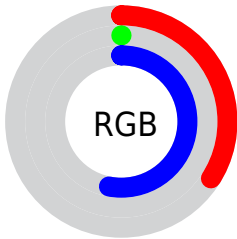
Format	Color
R_{YB}	87, 1, 134
Decimal	5702022
CIE _{Lab}	23.00, 53.69, -51.79
CIE _{LCh}	23, 74.597, 316.031
Yxy	3.8003, 0.2367, 0.1084
Android (android.graphics.Color)	4283892102 (0xFF570186)
YUV	41.8760, 45.4171, 39.5737
Hunter-Lab	19.4944, 41.8465, -56.1660

Details

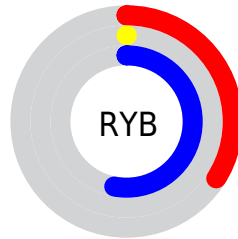
The CIELCh color **23, 74.597, 316.031** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **49, 70.057, 131.652**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 74.577, 316.056**, and **9, 55.832, 310.731** is the 20% darker color. If you saturate the color by 10%, you get **23, 75.002, 315.996**, and if you desaturate by 10%, it is **25, 70.883, 316.436**.

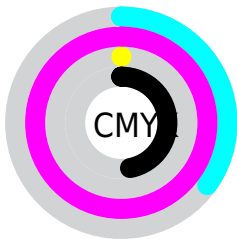
Distribution



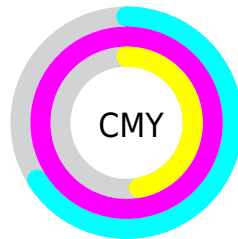
- Red (34%)
- Green (0%)
- Blue (53%)



- Red (34%)
- Yellow (0%)
- Blue (53%)



- Cyan (35%)
- Magenta (99%)
- Yellow (0%)
- Black (47%)





- Cyan (66%)
- Magenta (99%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 74.597, 316.031 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, 74.597, 316.031 by changing the saturation by 10% instead.

 23, 74.597,
316.031


 23, 74.597,
316.031

 100, 74.597,
316.031


 13, 74.597,
316.031


 43, 74.597,
316.031


 3, 74.597, 316.031

 53, 74.597,
316.031

 0, 74.597, 316.031

 63, 74.597,
316.031

 73, 74.597,
316.031

 83, 74.597,
316.031

 93, 74.597,

316.031

■ 23, 74.597,
316.031

■ 23, 74.597,
316.031

■ 23, 75.002,
315.996

■ 25, 70.883,
316.436

■ 27, 65.771,
316.638

■ 30, 59.099,
316.593

■ 33, 51.327,
316.372

■ 37, 42.882,
316.038

■ 40, 34.095,
315.639

■ 44, 25.200,
315.211

■ 48, 16.349,
314.778

■ 52, 7.635, 314.351

Harmonies

Complementary

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



23, 74.597, 316.031



49, 70.057, 131.652

Rectangle

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



23, 74.597, 316.031



23, 74.597, 6.031



23, 74.597, 136.031



23, 74.597, 186.031

Sweetspot

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



23, 74.597, 316.031



56, 32.231, 315.286



24, 55.267, 293.232



27, 21.944, 315.439



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



23, 74.597, 316.031



31, 90.584, 315.773



30, 64.645, 334.119



26, 4.768, 314.358



22, 73.269, 316.027



0, 1.131, 314.007

Inverse Universe

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



28, 52.714, 14.071



36, 64.197, 15.841



48, 71.051, 137.809



26, 3.390, 353.106



27, 51.777, 14.344



0, 0.799, 352.345

Previews

White Background



This preview shows how the CIE LCh color 23, 74.597, 316.031 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, 74.597, 316.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

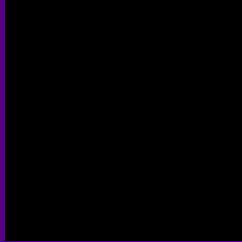
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 74.597, 316.031

Background



This preview shows how black text looks on a background with the CIELCh color 23, 74.597, 316.031.



This preview shows how white text looks on a background with the CIELCh color 23, 74.597, 316.031.

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, 74.597, 316.031

Protanopia

24, 41.297, 284.583

Deuteranopia

24, 29.436, 270.866



Tritanopia
24, 10.236, 6.714

Trichromacy



Original Color
23, 74.597, 316.031

Protanomaly
20, 58.432, 300.738

Deuteranomaly
20, 50.293, 298.594

Tritanomaly
22, 36.243, 323.541

Monochromacy



Original Color
23, 74.597, 316.031

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 35.039, 315.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 74.597, 316.031 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(87, 1, 134)` looks like.

```
.text, #text, p{  
    color:rgb(87, 1, 134)  
}
```

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(87, 1, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 1, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 74.597, 316.031 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(87, 1, 134) }
```

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

```
.border{ border-color:rgb(87, 1, 134) }
```

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

Here you see how a box with a 4 pixel rgb(87, 1, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 1, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 1, 134);  
box-shadow:4px 4px 4px 4px rgb(87, 1, 134)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 74.597, 316.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 1, 134) }
```

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

```
.background{ background-color: rgb(87, 1,  
134) }
```

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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