

Converting Colors

CIELCh(23, 94.356, 309.162)

Have a look what the booklet for
CIELCh(23, 94.356, 309.162)
contains.

CIELCh(23, 94.398, 309.180)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(23, 94.398, 309.180)

Conversions

Conversions Part 1

Format	Color
Hex	3C00A9
RGB	60, 0, 169
RGB Percent	24%, 0%, 66%
CMY	0.7658, 1.0000, 0.3382
CMYK	0.65, 1.00, 0.00, 0.34
HSL	261°, 100%, 33%
HSV	261°, 100%, 66%
XYZ	8.9815, 3.8003, 37.6803
YIQ	37.2060, -18.4890, 65.2790

Conversions

Conversions Part 2

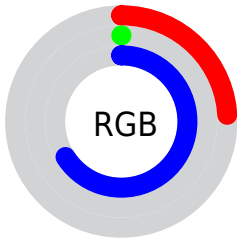
Format	Color
R_{YB}	60, 0, 169
Decimal	3932329
CIE _{Lab}	23.00, 59.64, -73.17
CIE _{LCh}	23, 94.398, 309.180
Yxy	3.8003, 0.1780, 0.0753
Android (android.graphics.Color)	4282122409 (0xFF3C00A9)
YUV	37.2060, 64.9744, 19.9903
Hunter-Lab	19.4944, 48.1234, -100.9543

Details

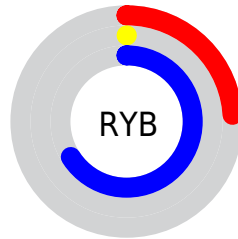
The CIELCh color **23, 94.398, 309.180** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **63, 76.254, 122.270**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 94.480, 309.143**, and **11, 74.338, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 94.322, 309.162**, and if you desaturate by 10%, it is **25, 89.148, 309.291**.

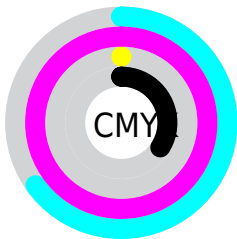
Distribution



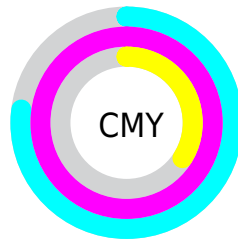
- Red (24%)
- Green (0%)
- Blue (66%)



- Red (24%)
- Yellow (0%)
- Blue (66%)



- Cyan (65%)
- Magenta (100%)
- Yellow (0%)
- Black (34%)





- Cyan (77%)
- Magenta (100%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 94.398, 309.180 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, 94.398, 309.180 by changing the saturation by 10% instead.

 23, 94.398,
309.180

 23, 94.398,
309.180

 100, 94.398,
309.180


 13, 94.398,
309.180


 43, 94.398,
309.180


 3, 94.398, 309.180

 53, 94.398,
309.180

 0, 94.398, 309.180

 63, 94.398,
309.180

 73, 94.398,
309.180

 83, 94.398,
309.180

 93, 94.398,

309.180

■ 23, 94.398,
309.180

■ 23, 94.398,
309.180

■ 23, 94.322,
309.162

■ 25, 89.148,
309.291

■ 29, 81.852,
309.110

■ 33, 72.608,
308.594

■ 38, 62.293,
307.894

■ 43, 51.544,
307.121

■ 48, 40.749,
306.348

■ 53, 30.120,
305.616

■ 58, 19.763,
304.943

■ 64, 9.721, 304.337

Harmonies

Complementary

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



23, 94.398, 309.180



63, 76.254, 122.270

Rectangle

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



23, 94.398, 309.180



23, 94.398, 359.180



23, 94.398, 129.180



23, 94.398, 179.180

Sweetspot

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



23, 94.322, 309.162



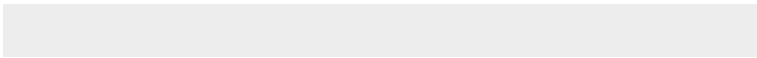
68, 37.306, 305.654



44, 39.047, 264.465



33, 25.568, 305.944



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



23, 94.322, 309.162



31, 114.914, 308.982



35, 85.860, 322.533



33, 5.483, 304.295



20, 85.493, 309.271



1, 9.792, 301.969

Inverse Universe

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



37, 65.718, 348.851



48, 79.617, 349.362



60, 86.860, 135.121



33, 5.014, 337.166



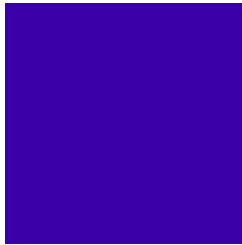
32, 59.769, 348.550



2, 8.584, 340.131

Previews

White Background



This preview shows how the CIE LCh color 23, 94.398, 309.180 looks on a white background.

Color Contrast Check

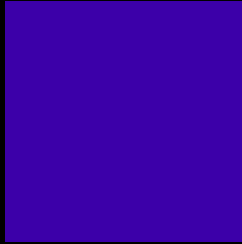
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94.398, 309.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

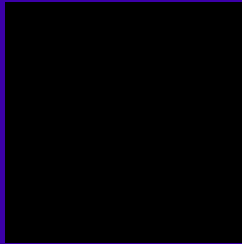
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 94.398, 309.180

Background



This preview shows how black text looks on a background with the CIELCh color 23, 94.398, 309.180.



This preview shows how white text looks on a background with the CIELCh color 23, 94.398, 309.180.

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, 94.398, 309.180

Protanopia
24, 40.691, 284.159

Deuteranopia
24, 28.344, 269.109



Tritanopia
24, 18.002, 207.377

Trichromacy



Original Color
23, 94.398, 309.180

Protanomaly
21, 65.729, 300.520

Deuteranomaly
20, 57.925, 298.737

Tritanomaly
19, 43.425, 293.984

Monochromacy



Original Color
23, 94.398, 309.180

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 42.456, 308.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 94.398, 309.180 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(60, 0, 169)` looks like.

```
.text, #text, p{  
    color:rgb(60, 0, 169)  
}
```

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(60, 0, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 0, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 94.398, 309.180 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(60, 0, 169) }
```

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

```
.border{ border-color:rgb(60, 0, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 0, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(60, 0, 169)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 94.398, 309.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 0, 169) }
```

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

```
.background{ background-color: rgb(60, 0,  
169) }
```

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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