

Converting Colors

CIELCh(23, 97.509, 308.127)

Have a look what the booklet for
CIELCh(23, 97.509, 308.127)
contains.

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Color

CIELCh(23, 97.626, 308.059)

Conversions

Conversions Part 1

Format	Color
Hex	3202AF
RGB	50, 2, 175
RGB Percent	20%, 1%, 69%
CMY	0.8048, 0.9930, 0.3143
CMYK	0.72, 0.99, 0.00, 0.31
HSL	257°, 98%, 35%
HSV	257°, 99%, 69%
XYZ	9.0463, 3.8003, 40.7334
YIQ	36.0740, -26.9250, 63.9790

Conversions

Conversions Part 2

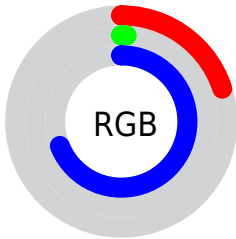
Format	Color
R _{YB}	50, 2, 175
Decimal	3277487
CIE _{Lab}	23.00, 60.18, -76.87
CIE _{LCh}	23, 97.626, 308.059
Yxy	3.8003, 0.1688, 0.0709
Android (android.graphics.Color)	4281467567 (0xFF3202AF)
YUV	36.0740, 68.4905, 12.2131
Hunter-Lab	19.4944, 48.7174, -110.2399

Details

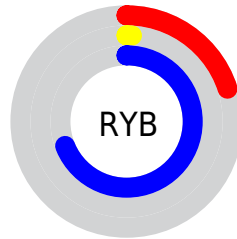
The CIELCh color **23, 97.626, 308.059** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **66, 76.203, 118.631**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 97.734, 308.074**, and **12, 77.091, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 98.172, 308.079**, and if you desaturate by 10%, it is **26, 92.064, 307.982**.

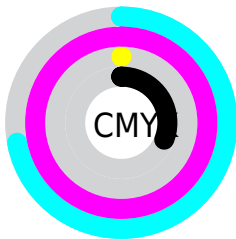
Distribution



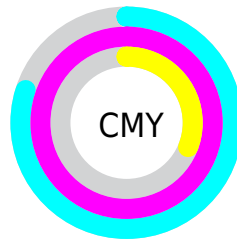
- Red (20%)
- Green (1%)
- Blue (69%)



- Red (20%)
- Yellow (1%)
- Blue (69%)



- Cyan (72%)
- Magenta (99%)
- Yellow (0%)
- Black (31%)





- Cyan (80%)
- Magenta (99%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 97.626, 308.059 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, 97.626, 308.059 by changing the saturation by 10% instead.

 23, 97.626,
308.059


 23, 97.626,
308.059

 100, 97.626,
308.059


 13, 97.626,
308.059


 43, 97.626,
308.059


 3, 97.626, 308.059

 53, 97.626,
308.059

 0, 97.626, 308.059

 63, 97.626,
308.059

 73, 97.626,
308.059

 83, 97.626,
308.059

 93, 97.626,

308.059

■ 23, 97.626,
308.059

■ 23, 97.626,
308.059

■ 23, 98.172,
308.079

■ 26, 92.064,
307.982

■ 29, 83.976,
307.514

■ 34, 73.959,
306.717

■ 39, 62.998,
305.765

■ 44, 51.751,
304.780

■ 49, 40.581,
303.835

■ 55, 29.669,
302.964

■ 61, 19.093,
302.183

■ 66, 8.877, 301.491

Harmonies

Complementary

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



23, 97.626, 308.059



66, 76.203, 118.631

Rectangle

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



23, 97.626, 308.059



23, 97.626, 358.059



23, 97.626, 128.059



23, 97.626, 178.059

Sweetspot

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



23, 97.628, 308.060



69, 38.070, 303.092



50, 34.956, 248.985



34, 26.367, 303.447



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, 97.628, 308.060



31, 119.538, 307.932



34, 88.885, 319.629



34, 5.561, 301.511



19, 87.767, 308.184



1, 11.507, 299.000

Inverse Universe

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



39, 70.559, 343.006



51, 85.572, 343.511



63, 87.750, 134.155



34, 5.428, 333.966



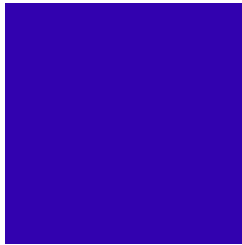
33, 63.384, 342.940



2, 10.694, 337.017

Previews

White Background



This preview shows how the CIE LCh color 23, 97.626, 308.059 looks on a white background.

Color Contrast Check

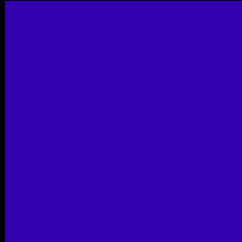
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.626, 308.059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

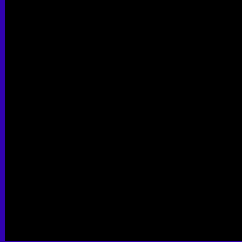
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 97.626, 308.059

Background



This preview shows how black text looks on a background with the CIELCh color 23, 97.626, 308.059.



This preview shows how white text looks on a background with the CIELCh color 23, 97.626, 308.059.

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, 97.626, 308.059

Protanopia

24, 40.755, 284.534

Deuteranopia

24, 28.331, 269.603



Tritanopia
24, 18.177, 202.895

Trichromacy



Original Color
23, 97.626, 308.059

Protanomaly
21, 66.399, 300.282

Deuteranomaly
20, 59.205, 298.556

Tritanomaly
19, 44.134, 293.477

Monochromacy



Original Color
23, 97.626, 308.059

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 43.180, 306.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 97.626, 308.059 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(50, 2, 175)` looks like.

```
.text, #text, p{  
    color:rgb(50, 2, 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(50, 2, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 2, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 97.626, 308.059 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(50, 2, 175) }
```

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

```
.border{ border-color:rgb(50, 2, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 2, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 2, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 2, 175);  
box-shadow:4px 4px 4px 4px rgb(50, 2, 175)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 97.626, 308.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 2, 175) }
```

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

```
.background{ background-color: rgb(50, 2,  
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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