

Converting Colors

CIELCh(23, 86.990, 308.372)

Have a look what the booklet for
CIELCh(23, 86.990, 308.372)
contains.

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Color

CIELCh(23, 87.102, 308.272)

Conversions

Conversions Part 1

Format	Color
Hex	3A0FA1
RGB	58, 15, 161
RGB Percent	23%, 6%, 63%
CMY	0.7732, 0.9418, 0.3691
CMYK	0.64, 0.91, 0.00, 0.37
HSL	258°, 83%, 34%
HSV	258°, 91%, 63%
XYZ	8.3254, 3.8003, 33.9526
YIQ	44.5010, -21.2380, 54.5220

Conversions

Conversions Part 2

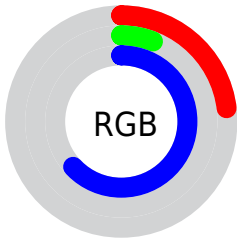
Format	Color
R_{YB}	58, 15, 161
Decimal	3805089
CIE _{Lab}	23.00, 53.95, -68.38
CIE _{LCh}	23, 87.102, 308.272
Yxy	3.8003, 0.1807, 0.0825
Android (android.graphics.Color)	4281995169 (0xFF3A0FA1)
YUV	44.5010, 57.4340, 11.8386
Hunter-Lab	19.4944, 42.1160, -89.6170

Details

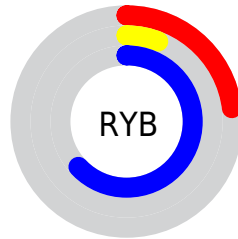
The CIELCh color **23, 87.102, 308.272** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 69.650, 118.741**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 86.900, 308.164**, and **10, 71.094, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **21, 91.986, 308.350**, and if you desaturate by 10%, it is **26, 79.916, 307.922**.

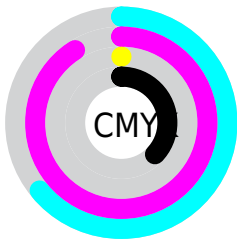
Distribution



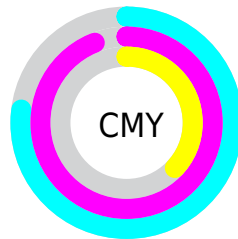
- Red (23%)
- Green (6%)
- Blue (63%)



- Red (23%)
- Yellow (6%)
- Blue (63%)



- Cyan (64%)
- Magenta (91%)
- Yellow (0%)
- Black (37%)




- Cyan (77%)
- Magenta (94%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 87.102, 308.272 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, 87.102, 308.272 by changing the saturation by 10% instead.

 23, 87.102,
308.272


 23, 87.102,
308.272

 100, 87.102,
308.272


 13, 87.102,
308.272


 43, 87.102,
308.272


 3, 87.102, 308.272

 53, 87.102,
308.272

 0, 87.102, 308.272

 63, 87.102,
308.272

 73, 87.102,
308.272

 83, 87.102,
308.272

 93, 87.102,

308.272

■ 23, 87.102,
308.272

■ 23, 87.102,
308.272

■ 21, 91.986,
308.350

■ 26, 79.916,
307.922

■ 30, 70.812,
307.224

■ 35, 60.709,
306.349

■ 40, 50.250,
305.421

■ 45, 39.805,
304.515

■ 50, 29.567,
303.672

■ 55, 19.623,
302.909

■ 61, 10.005,
302.229

■ 66, 0.717, 301.582

Harmonies

Complementary

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



23, 87.102, 308.272



61, 69.650, 118.741

Rectangle

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



23, 87.102, 308.272



23, 87.102, 358.272



23, 87.102, 128.272



23, 87.102, 178.272

Sweetspot

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



23, 87.103, 308.273



66, 31.935, 303.413



47, 32.119, 248.190



32, 21.590, 303.663



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



23, 87.103, 308.273



28, 112.022, 308.182



33, 80.927, 320.571



32, 5.299, 302.134



18, 85.308, 308.428



1, 8.099, 300.545

Inverse Universe

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



36, 64.851, 342.687



47, 79.635, 344.658



58, 79.935, 134.107



32, 5.099, 334.646



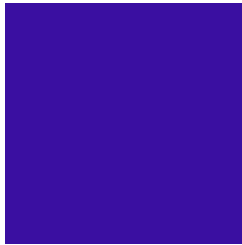
32, 61.156, 344.078



1, 7.563, 336.426

Previews

White Background



This preview shows how the CIE LCh color 23, 87.102, 308.272 looks on a white background.

Color Contrast Check

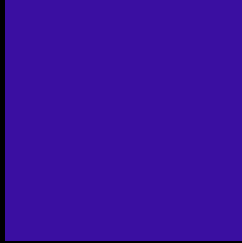
Large Text (above 18pt) WCAG AA ✓ Pass

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, 87.102, 308.272 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, 87.102, 308.272

Background



This preview shows how black text looks on a background with the CIELCh color 23, 87.102, 308.272.



This preview shows how white text looks on a background with the CIELCh color 23, 87.102, 308.272.

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, 87.102, 308.272

Protanopia

23, 40.211, 284.484

Deuteranopia

23, 27.774, 269.184



Tritanopia
23, 17.624, 207.674

Trichromacy



Original Color
23, 87.102, 308.272

Protanomaly
21, 60.141, 298.560

Deuteranomaly
21, 52.093, 296.179

Tritanomaly
20, 37.998, 289.879

Monochromacy



Original Color
23, 87.102, 308.272

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 36.716, 306.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 87.102, 308.272 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(58, 15, 161)` looks like.

```
.text, #text, p{  
    color:rgb(58, 15, 161)  
}
```

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(58, 15, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 15, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 87.102, 308.272 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(58, 15, 161) }
```

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

```
.border{ border-color:rgb(58, 15, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 15, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 15, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 15, 161);  
box-shadow:4px 4px 4px 4px rgb(58, 15,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 87.102, 308.272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 15, 161) }
```

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

```
.background{ background-color: rgb(58, 15,  
161) }
```

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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