

Converting Colors

CIELCh(23, 91.575, 309.568)

Have a look what the booklet for
CIELCh(23, 91.575, 309.568)
contains.

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Color

CIELCh(23, 91.762, 309.518)

Conversions

Conversions Part 1

Format	Color
Hex	3F02A5
RGB	63, 2, 165
RGB Percent	25%, 1%, 65%
CMY	0.7537, 0.9930, 0.3535
CMYK	0.62, 0.99, 0.00, 0.35
HSL	262°, 98%, 33%
HSV	262°, 99%, 65%
XYZ	8.8348, 3.8003, 35.7915
YIQ	38.8210, -15.9670, 63.6250

Conversions

Conversions Part 2

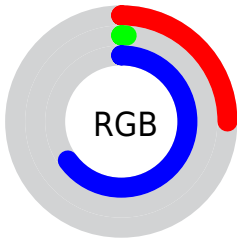
Format	Color
RYB	63, 2, 165
Decimal	4129445
CIELab	23.00, 58.39, -70.79
CIElCh	23, 91.762, 309.518
Yxy	3.8003, 0.1824, 0.0785
Android (android.graphics.Color)	4282319525 (0xFF3F02A5)
YUV	38.8210, 62.2062, 21.2050
Hunter-Lab	19.4944, 46.7802, -95.2096

Details

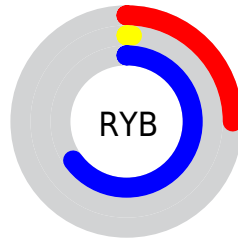
The CIELCh color **23, 91.762, 309.518** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **61, 75.100, 123.041**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 91.392, 309.579**, and **10, 72.952, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 92.314, 309.513**, and if you desaturate by 10%, it is **25, 86.588, 309.686**.

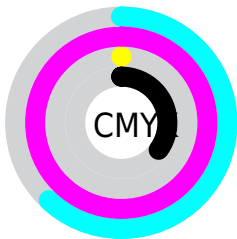
Distribution



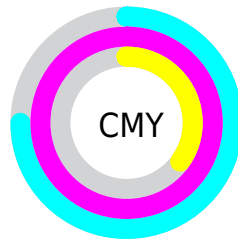
- Red (25%)
- Green (1%)
- Blue (65%)



- Red (25%)
- Yellow (1%)
- Blue (65%)



- Cyan (62%)
- Magenta (99%)
- Yellow (0%)
- Black (35%)





- Cyan (75%)
- Magenta (99%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 91.762, 309.518 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, 91.762, 309.518 by changing the saturation by 10% instead.

 23, 91.762,
309.518


 23, 91.762,
309.518

 100, 91.762,
309.518


 13, 91.762,
309.518


 43, 91.762,
309.518


 3, 91.762, 309.518

 53, 91.762,
309.518

 0, 91.762, 309.518

 63, 91.762,
309.518

 73, 91.762,
309.518

 83, 91.762,
309.518

 93, 91.762,

309.518

■ 23, 91.762,
309.518

■ 23, 91.762,
309.518

■ 23, 92.314,
309.513

■ 25, 86.588,
309.686

■ 29, 79.253,
309.515

■ 33, 70.118,
309.032

■ 37, 59.995,
308.375

■ 42, 49.472,
307.650

■ 47, 38.910,
306.922

■ 53, 28.506,
306.230

■ 58, 18.362,
305.592

■ 63, 8.521, 305.014

Harmonies

Complementary

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



23, 91.762, 309.518



61, 75.100, 123.041

Rectangle

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



23, 91.762, 309.518



23, 91.762, 359.518



23, 91.762, 129.518



23, 91.762, 179.518

Sweetspot

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



23, 91.763, 309.519



66, 36.684, 306.339



43, 39.220, 266.502



32, 25.128, 306.613



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



23, 91.763, 309.519



31, 112.434, 309.324



35, 83.947, 323.178



32, 5.361, 305.033



19, 84.065, 309.622



1, 8.184, 303.260

Inverse Universe

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



36, 63.817, 350.195



47, 77.411, 351.027



59, 85.214, 135.273



32, 4.817, 338.085



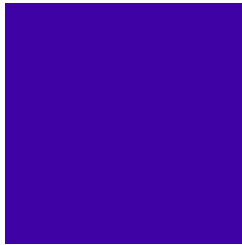
31, 58.398, 350.140



1, 7.137, 340.128

Previews

White Background



This preview shows how the CIE LCh color 23, 91.762, 309.518 looks on a white background.

Color Contrast Check

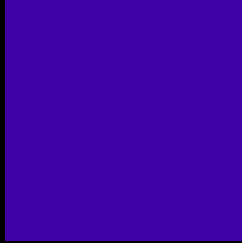
Large Text (above 18pt) WCAG AA ✓ Pass

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, 91.762, 309.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

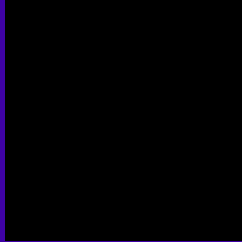
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 91.762, 309.518

Background



This preview shows how black text looks on a background with the CIELCh color 23, 91.762, 309.518.



This preview shows how white text looks on a background with the CIELCh color 23, 91.762, 309.518.

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, 91.762, 309.518

Protanopia
24, 40.691, 284.159

Deuteranopia
24, 28.331, 269.603



Tritanopia
24, 18.002, 207.377

Trichromacy



Original Color
23, 91.762, 309.518

Protanomaly
21, 64.550, 300.444

Deuteranomaly
20, 56.702, 298.622

Tritanomaly
19, 42.769, 293.965

Monochromacy



Original Color
23, 91.762, 309.518

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 41.725, 309.073

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 91.762, 309.518 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(63, 2, 165)` looks like.

```
.text, #text, p{  
    color:rgb(63, 2, 165)  
}
```

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(63, 2, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 2, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 91.762, 309.518 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(63, 2, 165) }
```

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

```
.border{ border-color:rgb(63, 2, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 2, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 2, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 2, 165);  
box-shadow:4px 4px 4px 4px rgb(63, 2, 165)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 91.762, 309.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 2, 165) }
```

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

```
.background{ background-color: rgb(63, 2,  
165) }
```

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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