

Converting Colors

CIELCh(23, 85.466, 311.599)

Have a look what the booklet for
CIELCh(23, 85.466, 311.599)
contains.

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Color

CIELCh(23, 85.614, 311.563)

Conversions

Conversions Part 1

Format	Color
Hex	4A019A
RGB	74, 1, 154
RGB Percent	29%, 0%, 60%
CMY	0.7102, 0.9966, 0.3964
CMYK	0.52, 0.99, 0.00, 0.40
HSL	269°, 99%, 30%
HSV	269°, 99%, 60%
XYZ	8.6500, 3.8003, 30.8081
YIQ	40.2690, -5.6050, 63.0590

Conversions

Conversions Part 2

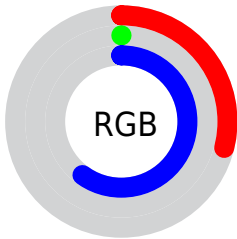
Format	Color
R _Y B	74, 1, 154
Decimal	4850074
CIE Lab	23.00, 56.80, -64.06
CIE LCh	23, 85.614, 311.563
Yxy	3.8003, 0.2000, 0.0879
Android (android.graphics.Color)	4283040154 (0xFF4A019A)
YUV	40.2690, 56.0694, 29.5821
Hunter-Lab	19.4944, 45.0884, -80.0532

Details

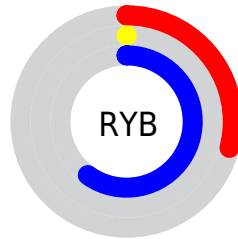
The CIELCh color **23, 85.614, 311.563** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **57, 73.928, 126.992**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 85.651, 311.497**, and **8, 67.812, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **23, 85.877, 311.551**, and if you desaturate by 10%, it is **25, 81.016, 311.907**.

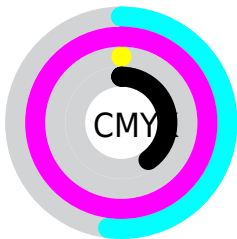
Distribution



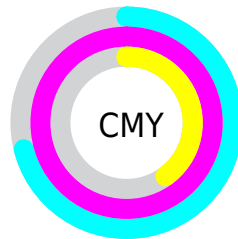
- Red (29%)
- Green (0%)
- Blue (60%)



- Red (29%)
- Yellow (0%)
- Blue (60%)



- Cyan (52%)
- Magenta (99%)
- Yellow (0%)
- Black (40%)





- Cyan (71%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 85.614, 311.563 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, 85.614, 311.563 by changing the saturation by 10% instead.

 23, 85.614,
311.563


 23, 85.614,
311.563

 100, 85.614,
311.563


 13, 85.614,
311.563


 43, 85.614,
311.563


 3, 85.614, 311.563

 53, 85.614,
311.563

 0, 85.614, 311.563

 63, 85.614,
311.563

 73, 85.614,
311.563

 83, 85.614,
311.563

 93, 85.614,

311.563

■ 23, 85.614,
311.563

■ 23, 85.614,
311.563

■ 23, 85.877,
311.551

■ 25, 81.016,
311.907

■ 28, 74.647,
311.980

■ 32, 66.534,
311.751

■ 36, 57.345,
311.333

■ 40, 47.614,
310.815

■ 45, 37.705,
310.258

■ 49, 27.840,
309.704

■ 54, 18.145,
309.174

■ 59, 8.689, 308.680

Harmonies

Complementary

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



23, 85.614, 311.563



57, 73.928, 126.992

Rectangle

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



23, 85.614, 311.563



23, 85.614, 1.563



23, 85.614, 131.563



23, 85.614, 181.563

Sweetspot

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



23, 85.615, 311.564



62, 35.011, 309.766



35, 45.444, 279.638



30, 23.930, 309.978



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



23, 85.615, 311.564



31, 104.058, 311.335



35, 79.268, 326.939



30, 5.175, 308.669



20, 80.172, 311.642



1, 5.516, 307.983

Inverse Universe

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



33, 58.400, 359.042



43, 70.561, 0.076



55, 81.817, 135.873



30, 4.249, 343.132



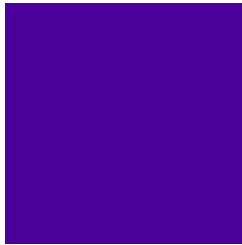
30, 54.698, 358.878



1, 4.518, 342.900

Previews

White Background



This preview shows how the CIELCh color 23, 85.614, 311.563 looks on a white background.

Color Contrast Check

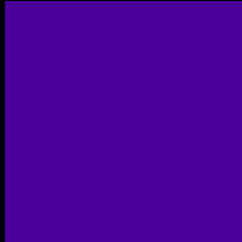
Large Text (above 18pt) WCAG AA ✓ Pass

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, 85.614, 311.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

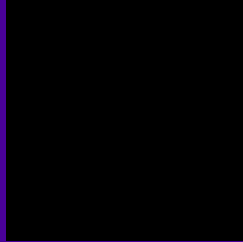
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 85.614, 311.563

Background



This preview shows how black text looks on a background with the CIELCh color 23, 85.614, 311.563.



This preview shows how white text looks on a background with the CIELCh color 23, 85.614, 311.563.

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

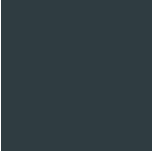
23, 85.614, 311.563

Protanopia

24, 40.691, 284.159

Deuteranopia

24, 28.344, 269.109



Tritanopia
24, 6.243, 230.800

Trichromacy



Original Color
23, 85.614, 311.563

Protanomaly
20, 62.115, 300.536

Deuteranomaly
20, 54.794, 298.826

Tritanomaly
21, 40.041, 306.825

Monochromacy



Original Color
23, 85.614, 311.563

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 38.582, 311.376

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 85.614, 311.563 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(74, 1, 154)` looks like.

```
.text, #text, p{  
  color:rgb(74, 1, 154)  
}
```

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(74, 1, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 1, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 85.614, 311.563 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(74, 1, 154) }
```

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

```
.border{ border-color:rgb(74, 1, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 1, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 1, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 1, 154);  
box-shadow:4px 4px 4px 4px rgb(74, 1, 154)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 85.614, 311.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 1, 154) }
```

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

```
.background{ background-color: rgb(74, 1,  
154) }
```

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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