

Converting Colors

CIELCh(15, 76.641, 339.858)

Have a look what the booklet for
CIELCh(15, 76.641, 339.858)
contains.

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Color

CIELCh(23, 49.614, 343.588)

Conversions

Conversions Part 1

Format	Color
Hex	6D014D
RGB	109, 1, 77
RGB Percent	43%, 0%, 30%
CMY	0.5732, 0.9950, 0.6991
CMYK	0.00, 0.99, 0.29, 0.57
HSL	318°, 98%, 22%
HSV	318°, 99%, 43%
XYZ	7.6305, 3.8003, 7.3028
YIQ	41.9560, 39.9720, 46.5320

Conversions

Conversions Part 2

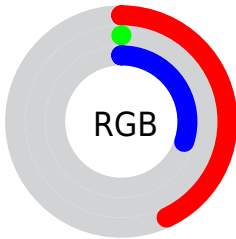
Format	Color
RYB	109, 1, 77
Decimal	7143757
CIELab	23.00, 47.59, -14.02
CIElCh	23, 49.614, 343.588
Yxy	3.8003, 0.4073, 0.2029
Android (android.graphics.Color)	4285333837 (0xFF6D014D)
YUV	41.9560, 17.2767, 58.7976
Hunter-Lab	19.4944, 35.7535, -8.5647

Details

The CIELCh color **23, 49.614, 343.588** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **40, 54.953, 142.315**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 49.700, 343.521**, and **9, 30.838, 350.649** is the 20% darker color. If you saturate the color by 10%, you get **23, 49.810, 343.755**, and if you desaturate by 10%, it is **24, 48.002, 342.120**.

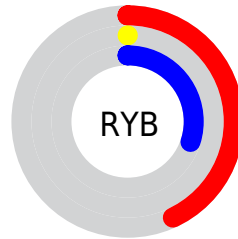
Distribution



Red (43%)

Green (0%)

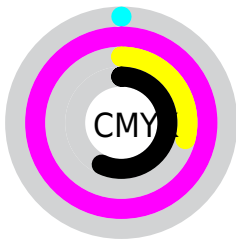
Blue (30%)



Red (43%)

Yellow (0%)

Blue (30%)

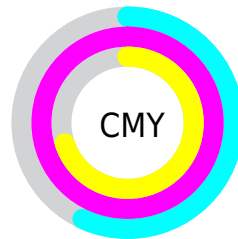


Cyan (0%)

Magenta (99%)

Yellow (29%)

Black (57%)



Cyan (57%)

Magenta (100%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 49.614, 343.588 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, 49.614, 343.588 by changing the saturation by 10% instead.

 23, 49.614,
343.588

 23, 49.614,
343.588

 100, 49.614,
343.588

 13, 49.614,
343.588


 43, 49.614,
343.588

 3, 49.614, 343.588

 53, 49.614,
343.588

 0, 49.614, 343.588

 63, 49.614,
343.588

 73, 49.614,
343.588

 83, 49.614,
343.588

 93, 49.614,

343.588

■ 23, 49.614,
343.588

■ 23, 49.614,
343.588

■ 23, 49.810,
343.755

■ 24, 48.002,
342.120

■ 25, 45.521,
340.791

■ 27, 41.750,
339.655

■ 29, 36.916,
338.657

■ 31, 31.297,
337.760

■ 34, 25.166,
336.937

■ 37, 18.748,
336.170

■ 40, 12.217,
335.448

■ 43, 5.695, 334.753

Harmonies

Complementary

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



23, 49.614, 343.588



40, 54.953, 142.315

Rectangle

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



23, 49.614, 343.588



23, 49.614, 33.588



23, 49.614, 163.588



23, 49.614, 213.588

Sweetspot

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



23, 49.612, 343.588



47, 24.013, 336.316



12, 68.482, 308.458



22, 16.498, 336.557



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



23, 49.612, 343.588



31, 59.470, 344.294



21, 47.560, 24.729



21, 3.575, 334.761



25, 52.454, 343.925



54, 89.287, 345.161

Inverse Universe

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



23, 49.612, 343.588



31, 59.470, 344.294



41, 33.292, 170.369



21, 3.575, 334.761



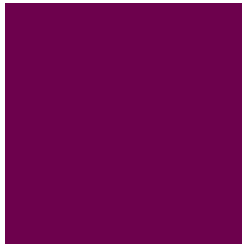
25, 52.454, 343.925



54, 89.287, 345.161

Previews

White Background



This preview shows how the CIE LCh color 23, 49.614, 343.588 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, 49.614, 343.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

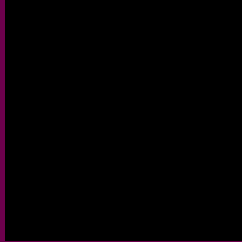
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 49.614, 343.588

Background



This preview shows how black text looks on a background with the CIELCh color 23, 49.614, 343.588.



This preview shows how white text looks on a background with the CIELCh color 23, 49.614, 343.588.

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, 49.773, 343.480

Protanopia

25, 34.474, 285.485

Deuteranopia

25, 9.944, 294.633



Tritanopia
24, 38.317, 27.924

Trichromacy



Original Color
23, 49.773, 343.480

Protanomaly
21, 40.761, 308.141

Deuteranomaly
21, 28.844, 328.390

Tritanomaly
23, 39.806, 8.528

Monochromacy



Original Color
23, 49.773, 343.480

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 24.994, 337.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 49.614, 343.588 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(109, 1, 77)` looks like.

```
.text, #text, p{  
    color:rgb(109, 1, 77)  
}
```

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(109, 1, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 1, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 49.614, 343.588 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(109, 1, 77) }
```

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

```
.border{ border-color:rgb(109, 1, 77) }
```

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

Here you see how a box with a 4 pixel rgb(109, 1, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 1, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 1, 77);  
box-shadow:4px 4px 4px 4px rgb(109, 1, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 49.614, 343.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 1, 77) }
```

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

```
.background{ background-color: rgb(109, 1,  
77) }
```

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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