

Converting Colors

CIELCh(23, 46.721, 357.915)

Have a look what the booklet for
CIELCh(23, 46.721, 357.915)
contains.

CIELCh(23, 46.715, 357.562)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(23, 46.715, 357.562)

Conversions

Conversions Part 1

Format	Color
Hex	70013B
RGB	112, 1, 59
RGB Percent	44%, 0%, 23%
CMY	0.5593, 0.9978, 0.7674
CMYK	0.00, 1.00, 0.47, 0.56
HSL	328°, 99%, 22%
HSV	328°, 100%, 44%
XYZ	7.5333, 3.8003, 4.5157
YIQ	40.8010, 47.5380, 41.5700

Conversions

Conversions Part 2

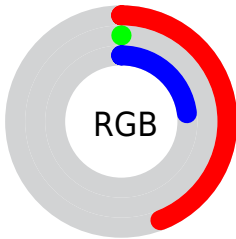
Format	Color
RYB	112, 1, 59
Decimal	7340347
CIELab	23.00, 46.67, -1.99
CIELCh	23, 46.715, 357.562
Yxy	3.8003, 0.4753, 0.2398
Android (android.graphics.Color)	4285530427 (0xFF70013B)
YUV	40.8010, 8.9721, 62.4415
Hunter-Lab	19.4944, 34.8635, -0.0879

Details

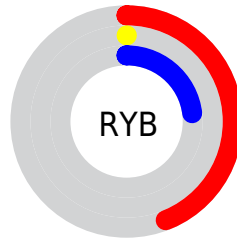
The CIELCh color **23, 46.715, 357.562** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **41, 48.626, 149.105**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 46.335, 357.780**, and **9, 29.878, 13.106** is the 20% darker color. If you saturate the color by 10%, you get **23, 46.805, 357.701**, and if you desaturate by 10%, it is **24, 45.018, 354.701**.

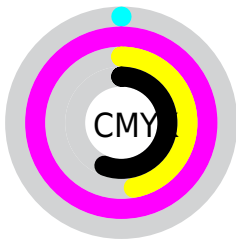
Distribution



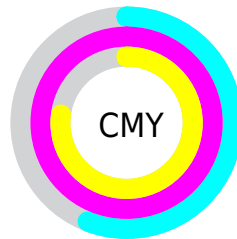
- Red (44%)
- Green (0%)
- Blue (23%)



- Red (44%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (56%)




- Cyan (56%)
- Magenta (100%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 46.715, 357.562 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, 46.715, 357.562 by changing the saturation by 10% instead.


 23, 46.715,
357.562

 23, 46.715,
357.562


 100, 46.715,
357.562

 13, 46.715,
357.562


 43, 46.715,
357.562

 3, 46.715, 357.562

 53, 46.715,
357.562

 0, 46.715, 357.562

 63, 46.715,
357.562

 73, 46.715,
357.562

 83, 46.715,
357.562

 93, 46.715,

357.562

■ 23, 46.715,
357.562

■ 23, 46.715,
357.562

■ 23, 46.805,
357.701

■ 24, 45.018,
354.701

■ 25, 42.627,
352.162

■ 27, 39.043,
350.120

■ 29, 34.474,
348.449

■ 32, 29.195,
347.051

■ 35, 23.472,
345.852

■ 38, 17.525,
344.802

■ 41, 11.517,
343.862

■ 44, 5.558, 342.995

Harmonies

Complementary

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



23, 46.715, 357.562



41, 48.626, 149.105

Rectangle

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



23, 46.715, 357.562



23, 46.715, 47.562



23, 46.715, 177.562



23, 46.715, 227.562

Sweetspot

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



23, 46.713, 357.563



48, 22.015, 344.929



15, 68.090, 311.661



23, 15.145, 345.263



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



23, 46.713, 357.563



31, 56.155, 358.781



22, 53.890, 35.738



22, 3.284, 342.953



25, 48.961, 357.992



53, 83.072, 0.417

Inverse Universe

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



23, 46.713, 357.563



31, 56.155, 358.781



42, 28.042, 191.631



22, 3.284, 342.953



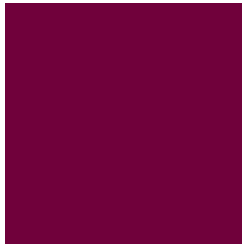
25, 48.961, 357.992



53, 83.072, 0.417

Previews

White Background



This preview shows how the CIE LCh color 23, 46.715, 357.562 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, 46.715, 357.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

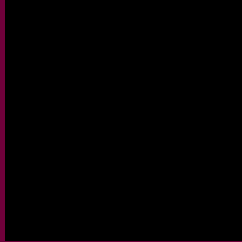
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 46.715, 357.562

Background



This preview shows how black text looks on a background with the CIELCh color 23, 46.715, 357.562.



This preview shows how white text looks on a background with the CIELCh color 23, 46.715, 357.562.

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, 46.492, 357.686

Protanopia

25, 18.578, 284.953

Deuteranopia

25, 4.445, 37.222



Tritanopia
24, 44.356, 31.895

Trichromacy



Original Color
23, 46.492, 357.686

Protanomaly
21, 29.399, 324.562

Deuteranomaly
22, 24.835, 352.686

Tritanomaly
23, 43.897, 18.690

Monochromacy



Original Color
23, 46.492, 357.686

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 23.376, 347.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 46.715, 357.562 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(112, 1, 59)` looks like.

```
.text, #text, p{  
    color:rgb(112, 1, 59)  
}
```

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(112, 1, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 1, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 46.715, 357.562 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(112, 1, 59) }
```

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

```
.border{ border-color:rgb(112, 1, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 1, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 1, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 1, 59);  
box-shadow:4px 4px 4px 4px rgb(112, 1, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 46.715, 357.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 1, 59) }
```

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

```
.background{ background-color: rgb(112, 1,  
59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor