

Converting Colors

CIELCh(23, 46.635, 358.511)

Have a look what the booklet for
CIELCh(23, 46.635, 358.511)
contains.

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Color

CIELCh(23, 46.615, 358.921)

Conversions

Conversions Part 1

Format	Color
Hex	71003A
RGB	113, 0, 58
RGB Percent	44%, 0%, 23%
CMY	0.5582, 0.9981, 0.7737
CMYK	0.00, 1.00, 0.49, 0.56
HSL	329°, 99%, 22%
HSV	329°, 100%, 44%
XYZ	7.5264, 3.8003, 4.3021
YIQ	40.3990, 48.7300, 41.9940

Conversions

Conversions Part 2

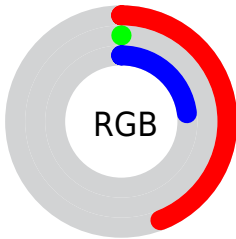
Format	Color
R_{YB}	113, 0, 58
Decimal	7405626
CIE Lab	23.00, 46.61, -0.88
CIE LCh	23, 46.615, 358.921
Yxy	3.8003, 0.4816, 0.2432
Android (android.graphics.Color)	4285595706 (0xFF71003A)
YUV	40.3990, 8.6773, 63.6711
Hunter-Lab	19.4944, 34.7999, 0.5618

Details

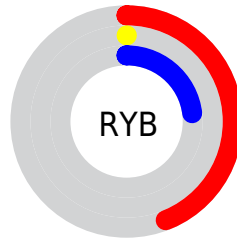
The CIELCh color **23, 46.615, 358.921** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **41, 48.011, 149.822**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 46.982, 358.524**, and **9, 30.316, 14.696** is the 20% darker color. If you saturate the color by 10%, you get **23, 46.695, 359.048**, and if you desaturate by 10%, it is **24, 44.873, 355.931**.

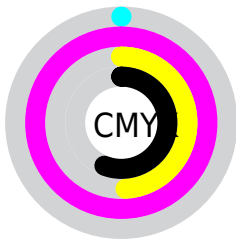
Distribution



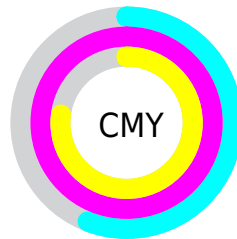
- Red (44%)
- Green (0%)
- Blue (23%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (56%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 46.615, 358.921 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, 46.615, 358.921 by changing the saturation by 10% instead.

 23, 46.615,
358.921


 23, 46.615,
358.921

 100, 46.615,
358.921


 13, 46.615,
358.921


 43, 46.615,
358.921


 3, 46.615, 358.921

 53, 46.615,
358.921

 0, 46.615, 358.921

 63, 46.615,
358.921

 73, 46.615,
358.921

 83, 46.615,
358.921

 93, 46.615,

358.921

■ 23, 46.615,
358.921

■ 23, 46.615,
358.921

■ 23, 46.695,
359.048

■ 24, 44.873,
355.931

■ 25, 42.461,
353.276

■ 27, 38.871,
351.145

■ 29, 34.309,
349.409

■ 32, 29.046,
347.961

■ 35, 23.349,
346.726

■ 38, 17.435,
345.648

■ 41, 11.465,
344.687

■ 44, 5.549, 343.805

Harmonies

Complementary

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



23, 46.615, 358.921



41, 48.011, 149.822

Rectangle

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



23, 46.615, 358.921



23, 46.615, 48.921



23, 46.615, 178.921



23, 46.615, 228.921

Sweetspot

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



23, 46.613, 358.922



48, 21.811, 345.771



15, 68.010, 312.022



23, 15.007, 346.113



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, 46.613, 358.922



31, 55.954, 0.165



22, 54.432, 36.435



22, 3.250, 343.756



25, 48.769, 359.340



53, 82.832, 1.873

Inverse Universe

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



23, 46.613, 358.922



31, 55.954, 0.165



43, 27.728, 193.979



22, 3.250, 343.756



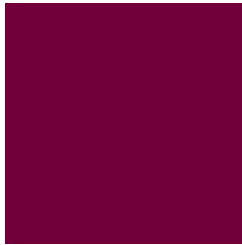
25, 48.769, 359.340



53, 82.832, 1.873

Previews

White Background



This preview shows how the CIE LCh color 23, 46.615, 358.921 looks on a white background.

Color Contrast Check

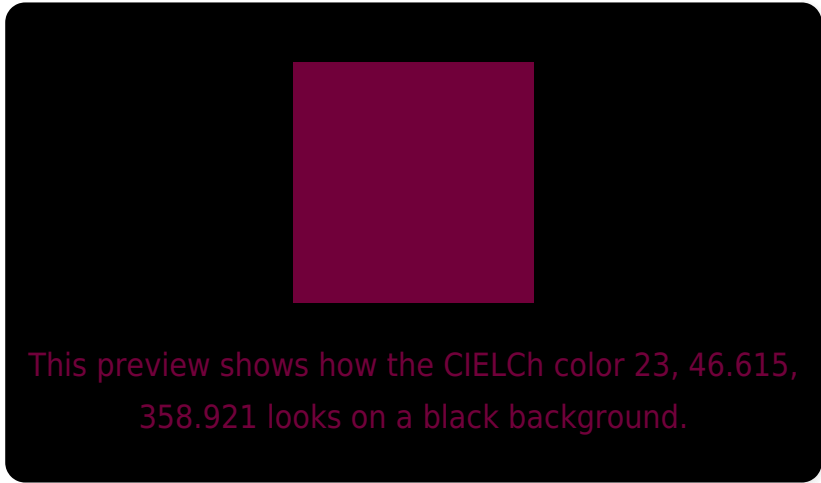
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

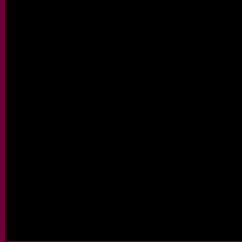
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 46.615, 358.921

Background



This preview shows how black text looks on a background with the CIELCh color 23, 46.615, 358.921.



This preview shows how white text looks on a background with the CIELCh color 23, 46.615, 358.921.

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, 46.833, 358.794

Protanopia

25, 16.606, 284.518

Deuteranopia

25, 5.042, 51.319



Tritanopia
24, 44.883, 32.192

Trichromacy



Original Color
23, 46.833, 358.794

Protanomaly
21, 28.354, 326.002

Deuteranomaly
21, 24.400, 355.557

Tritanomaly
23, 44.055, 19.531

Monochromacy



Original Color
23, 46.833, 358.794

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 23.079, 348.877

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 46.615, 358.921 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(113, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(113, 0, 58)  
}
```

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(113, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 46.615, 358.921 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(113, 0, 58) }
```

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

```
.border{ border-color:rgb(113, 0, 58) }
```

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

Here you see how a box with a 4 pixel rgb(113, 0, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(113, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 46.615, 358.921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 0, 58) }
```

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

```
.background{ background-color: rgb(113, 0,  
58) }
```

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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