

Converting Colors

CIELCh(23, 46.938, 356.565)

Have a look what the booklet for
CIELCh(23, 46.938, 356.565)
contains.

CIELCh(23, 46.841, 356.785)	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, 46.841, 356.785)

Conversions

Conversions Part 1

Format	Color
Hex	70003C
RGB	112, 0, 60
RGB Percent	44%, 0%, 24%
CMY	0.5597, 0.9984, 0.7638
CMYK	0.00, 1.00, 0.46, 0.56
HSL	328°, 99%, 22%
HSV	328°, 100%, 44%
XYZ	7.5433, 3.8003, 4.6421
YIQ	40.3280, 47.4920, 42.4040

Conversions

Conversions Part 2

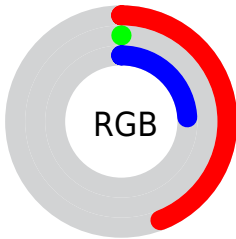
Format	Color
RYB	112, 0, 60
Decimal	7340092
CIELab	23.00, 46.77, -2.63
CIELCh	23, 46.841, 356.785
Yxy	3.8003, 0.4719, 0.2377
Android (android.graphics.Color)	4285530172 (0xFF70003C)
YUV	40.3280, 9.6983, 62.8563
Hunter-Lab	19.4944, 34.9546, -0.4722

Details

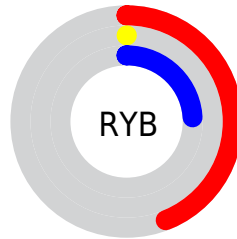
The CIELCh color **23, 46.841, 356.785** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **41, 49.079, 148.644**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 46.952, 356.803**, and **9, 29.790, 11.006** is the 20% darker color. If you saturate the color by 10%, you get **23, 46.906, 356.886**, and if you desaturate by 10%, it is **24, 45.168, 354.003**.

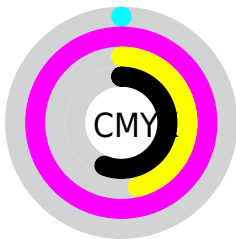
Distribution



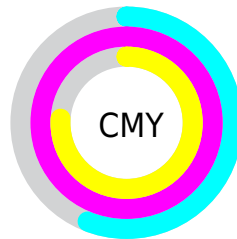
- Red (44%)
- Green (0%)
- Blue (24%)



- Red (44%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (56%)





- Cyan (56%)
- Magenta (100%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 46.841, 356.785 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, 46.841, 356.785 by changing the saturation by 10% instead.

 23, 46.841,
356.785

 23, 46.841,
356.785

 100, 46.841,
356.785

 13, 46.841,
356.785


 43, 46.841,
356.785


 3, 46.841, 356.785

 53, 46.841,
356.785

 0, 46.841, 356.785

 63, 46.841,
356.785

 73, 46.841,
356.785

 83, 46.841,
356.785

 93, 46.841,

356.785

■ 23, 46.841,
356.785

■ 23, 46.841,
356.785

■ 23, 46.906,
356.886

■ 24, 45.168,
354.003

■ 25, 42.808,
351.526

■ 27, 39.243,
349.530

■ 29, 34.680,
347.894

■ 32, 29.397,
346.522

■ 35, 23.661,
345.343

■ 38, 17.693,
344.306

■ 41, 11.657,
343.377

■ 44, 5.666, 342.520

Harmonies

Complementary

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



23, 46.841, 356.785



41, 49.079, 148.644

Rectangle

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



23, 46.841, 356.785



23, 46.841, 46.785



23, 46.841, 176.785



23, 46.841, 226.785

Sweetspot

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



23, 46.839, 356.786



48, 22.143, 344.419



15, 68.341, 311.314



23, 15.232, 344.748



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, 46.839, 356.786



31, 56.298, 357.940



22, 53.502, 35.075



22, 3.305, 342.467



25, 49.094, 357.172



54, 83.250, 359.531

Inverse Universe

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



23, 46.839, 356.786



31, 56.298, 357.940



42, 28.442, 189.336



22, 3.305, 342.467



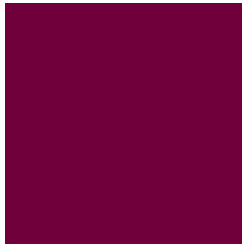
25, 49.094, 357.172



54, 83.250, 359.531

Previews

White Background



This preview shows how the CIE LCh color 23, 46.841, 356.785 looks on a white background.

Color Contrast Check

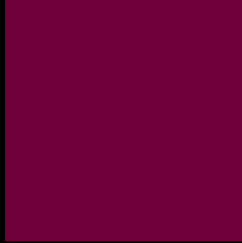
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.841, 356.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

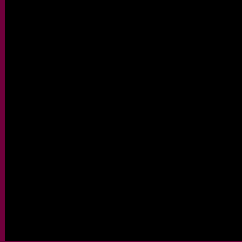
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 46.841, 356.785

Background



This preview shows how black text looks on a background with the CIELCh color 23, 46.841, 356.785.



This preview shows how white text looks on a background with the CIELCh color 23, 46.841, 356.785.

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, 46.841, 356.785

Protanopia

25, 19.263, 284.441

Deuteranopia

25, 4.445, 37.222



Tritanopia
24, 43.910, 31.804

Trichromacy



Original Color
23, 46.841, 356.785

Protanomaly
21, 29.795, 323.125

Deuteranomaly
22, 24.835, 352.686

Tritanomaly
23, 43.507, 18.406

Monochromacy



Original Color
23, 46.841, 356.785

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, 46.841, 356.785 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, 0, 60)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 60)  
}
```

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, 0, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 46.841, 356.785 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, 0, 60) }
```

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

```
.border{ border-color:rgb(112, 0, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 0, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 60);  
box-shadow:4px 4px 4px 4px rgb(112, 0, 60)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 46.841, 356.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 60) }
```

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

```
.background{ background-color: rgb(112, 0,  
60) }
```

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