

Converting Colors

CIELCh(23, 39.020, 5.513)

Have a look what the booklet for
CIELCh(23, 39.020, 5.513) contains.

CIELCh(23, 38.830, 5.126)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(23, 38.830, 5.126)

Conversions

Conversions Part 1

Format	Color
Hex	691533
RGB	105, 21, 51
RGB Percent	41%, 8%, 20%
CMY	0.5874, 0.9168, 0.7994
CMYK	0.00, 0.80, 0.51, 0.59
HSL	339°, 66%, 25%
HSV	339°, 80%, 41%
XYZ	6.7227, 3.8003, 3.5299
YIQ	49.5360, 40.4340, 27.1380

Conversions

Conversions Part 2

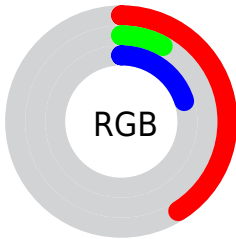
Format	Color
R_{YB}	105, 21, 51
Decimal	6886707
CIE Lab	23.00, 38.67, 3.47
CIE LCh	23, 38.830, 5.126
Yxy	3.8003, 0.4784, 0.2704
Android (android.graphics.Color)	4285076787 (0xFF691533)
YUV	49.5360, 0.7218, 48.6419
Hunter-Lab	19.4944, 27.4408, 2.9103

Details

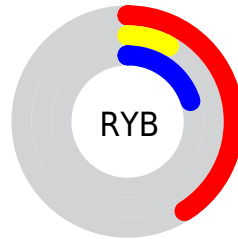
The CIELCh color **23, 38.830, 5.126** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **39, 33.582, 162.644**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 38.756, 5.206**, and **7, 28.465, 19.885** is the 20% darker color. If you saturate the color by 10%, you get **22, 41.694, 8.764**, and if you desaturate by 10%, it is **25, 35.104, 2.219**.

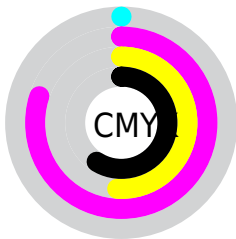
Distribution



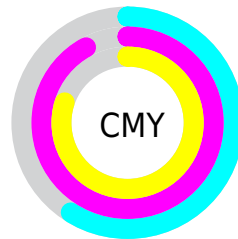
- Red (41%)
- Green (8%)
- Blue (20%)



- Red (41%)
- Yellow (8%)
- Blue (20%)



- Cyan (0%)
- Magenta (80%)
- Yellow (51%)
- Black (59%)



- Cyan (59%)
- Magenta (92%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 38.830, 5.126 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, 38.830, 5.126 by changing the saturation by 10% instead.

 23, 38.830, 5.126

 23, 38.830, 5.126

 100, 38.830, 5.126

 13, 38.830, 5.126

 43, 38.830, 5.126

 3, 38.830, 5.126

 53, 38.830, 5.126

 0, 38.830, 5.126

 63, 38.830, 5.126

 73, 38.830, 5.126

 83, 38.830, 5.126

 93, 38.830, 5.126

 23, 38.830, 5.126

 23, 38.830, 5.126

 22, 41.694, 8.764

 25, 35.104, 2.219

■ 21, 44.273, 12.663

■ 27, 30.674,
359.890

■ 21, 44.322, 12.727

■ 29, 25.756,
358.001

■ 32, 20.567,
356.440

■ 35, 15.284,
355.122

■ 38, 10.032,
353.984

■ 41, 4.894, 352.969

■ 45, 0.083, 175.626

■ 48, 4.876, 171.431

Harmonies

Complementary

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



23, 38.830, 5.126



39, 33.582, 162.644

Rectangle

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



23, 38.830, 5.126



23, 38.830, 55.126



23, 38.830, 185.126



23, 38.830, 235.126

Sweetspot

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



23, 38.828, 5.128



48, 15.249, 354.518



20, 54.687, 316.262



23, 10.431, 354.820



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



23, 38.828, 5.128



29, 52.870, 12.638



24, 40.444, 38.059



21, 2.837, 352.885



24, 47.966, 13.452



52, 83.431, 16.932

Inverse Universe

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



23, 38.828, 5.128



29, 52.870, 12.638



36, 21.429, 216.154



21, 2.837, 352.885



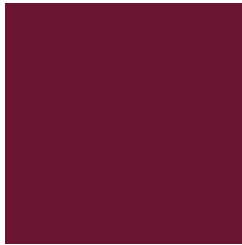
24, 47.966, 13.452



52, 83.431, 16.932

Previews

White Background



This preview shows how the CIE LCh color 23, 38.830, 5.126 looks on a white background.

Color Contrast Check

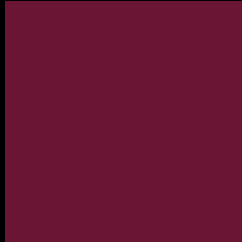
Large Text (above 18pt) WCAG AA ✓ Pass

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, 38.830, 5.126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

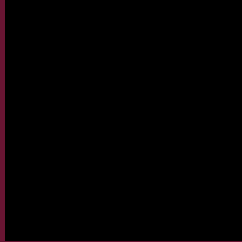
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 38.830, 5.126

Background



This preview shows how black text looks on a background with the CIELCh color 23, 38.830, 5.126.



This preview shows how white text looks on a background with the CIELCh color 23, 38.830, 5.126.

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, 38.830, 5.126

Protanopia

24, 9.317, 287.068

Deuteranopia

24, 7.610, 63.693



Tritanopia
23, 39.295, 29.487

Trichromacy



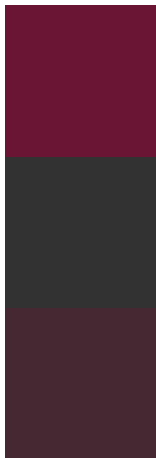
Original Color
23, 38.830, 5.126

Protanomaly
22, 18.696, 338.517

Deuteranomaly
22, 18.298, 11.436

Tritanomaly
23, 38.123, 21.133

Monochromacy



Original Color
23, 38.830, 5.126

Achromatopsia
21, 0.004, 296.813

Achromatomaly
20, 15.658, 358.134

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 38.830, 5.126 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(105, 21, 51)` looks like.

```
.text, #text, p{  
    color:rgb(105, 21, 51)  
}
```

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(105, 21, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 21, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 38.830, 5.126 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(105, 21, 51) }
```

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

```
.border{ border-color:rgb(105, 21, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 21, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 21, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 21, 51);  
box-shadow:4px 4px 4px 4px rgb(105, 21,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 38.830, 5.126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 21, 51) }
```

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

```
.background{ background-color: rgb(105, 21,  
51) }
```

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