

Converting Colors

CIELCh(23, 10.801, 7.623)

Have a look what the booklet for
CIELCh(23, 10.801, 7.623) contains.

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Color

CIELCh(23, 10.801, 7.623)

Conversions

Conversions Part 1

Format	Color
Hex	473135
RGB	71, 49, 53
RGB Percent	28%, 19%, 21%
CMY	0.7213, 0.8076, 0.7919
CMYK	0.00, 0.31, 0.25, 0.72
HSL	349°, 18%, 24%
HSV	349°, 31%, 28%
XYZ	4.3471, 3.8003, 3.8790
YIQ	56.0340, 11.8280, 5.9080

Conversions

Conversions Part 2

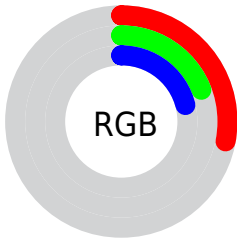
Format	Color
R_YB	71, 49, 53
Decimal	4665653
CIE Lab	23.00, 10.71, 1.43
CIE LCh	23, 10.801, 7.623
Yxy	3.8003, 0.3615, 0.3160
Android (android.graphics.Color)	4282855733 (0xFF473135)
YUV	56.0340, -1.4958, 13.1252
Hunter-Lab	19.4944, 5.6886, 1.8486

Details

The CIELCh color **23, 10.801, 7.623** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **28, 9.574, 182.169**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 10.940, 8.296**, and **3, 10.972, 6.665** is the 20% darker color. If you saturate the color by 10%, you get **21, 14.561, 8.980**, and if you desaturate by 10%, it is **25, 7.152, 6.486**.

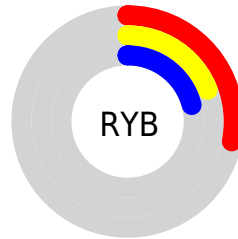
Distribution



 Red (28%)

 Green (19%)

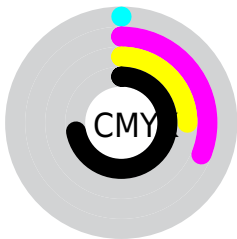
 Blue (21%)



 Red (28%)

 Yellow (19%)

 Blue (21%)

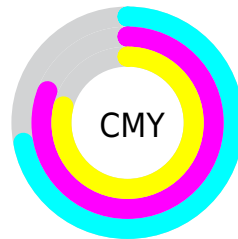


 Cyan (0%)


 Magenta (31%)

 Yellow (25%)

 Black (72%)



 Cyan (72%)

 Magenta (81%)

 Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 10.801, 7.623 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, 10.801, 7.623 by changing the saturation by 10% instead.

■ 23, 10.801, 7.623

■ 23, 10.801, 7.623

■ 100, 10.801, 7.623

■ 13, 10.801, 7.623

■ 43, 10.801, 7.623

■ 3, 10.801, 7.623

■ 53, 10.801, 7.623

■ 0, 10.801, 7.623

■ 63, 10.801, 7.623

■ 73, 10.801, 7.623

■ 83, 10.801, 7.623

■ 93, 10.801, 7.623

■ 23, 10.801, 7.623

■ 23, 10.801, 7.623

■ 21, 14.561, 8.980

■ 25, 7.152, 6.486

19, 18.380, 10.615

28, 3.652, 5.492

17, 22.169, 12.616

30, 0.315, 3.948

15, 25.822, 15.085

32, 2.857, 184.092

14, 29.222, 18.129

35, 5.867, 183.408

13, 32.269, 21.092

37, 8.726, 182.823

12, 34.976, 22.004

40, 11.444,
182.302

42, 14.034,
181.832

44, 16.508,
181.404

Harmonies

Complementary

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



23, 10.801, 7.623



28, 9.574, 182.169

Rectangle

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



23, 10.801, 7.623



23, 10.801, 57.623



23, 10.801, 187.623



23, 10.801, 237.623

Sweetspot

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



23, 10.800, 7.627



36, 3.693, 5.338



23, 16.557, 320.541



17, 2.533, 5.408



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



23, 10.800, 7.627



28, 16.194, 8.614



25, 8.750, 51.744



13, 1.853, 5.266



19, 45.695, 27.118



48, 86.752, 31.555

Inverse Universe

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



23, 10.800, 7.627



28, 16.194, 8.614



26, 7.467, 236.493



13, 1.853, 5.266



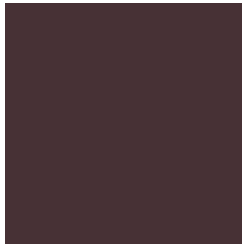
19, 45.695, 27.118



48, 86.752, 31.555

Previews

White Background



This preview shows how the CIE LCh color 23, 10.801, 7.623 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, 10.801, 7.623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

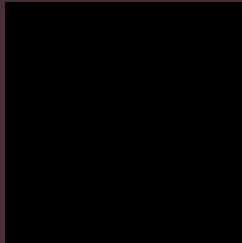
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 10.801, 7.623

Background



This preview shows how black text looks on a background with the CIELCh color 23, 10.801, 7.623.

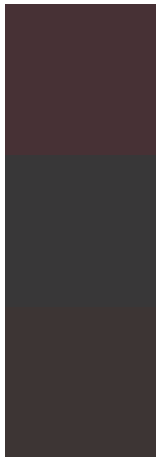


This preview shows how white text looks on a background with the CIELCh color 23, 10.801, 7.623.

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, 10.801, 7.623

Protanopia

23, 0.816, 324.396

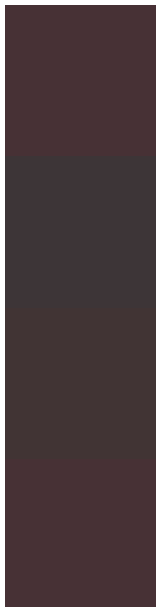
Deuteranopia

23, 3.849, 29.976



Tritanopia
23, 10.801, 7.623

Trichromacy



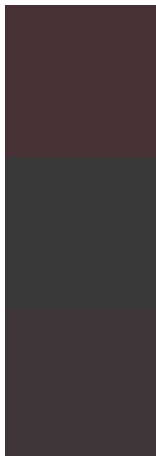
Original Color
23, 10.801, 7.623

Protanomaly
23, 3.960, 0.563

Deuteranomaly
23, 6.210, 20.604

Tritanomaly
23, 10.801, 7.623

Monochromacy



Original Color
23, 10.801, 7.623

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 3.960, 0.563

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 10.801, 7.623 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(71, 49, 53)` looks like.

```
.text, #text, p{  
    color:rgb(71, 49, 53)  
}
```

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(71, 49, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 49, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 10.801, 7.623 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(71, 49, 53) }
```

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

```
.border{ border-color:rgb(71, 49, 53) }
```

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

Here you see how a box with a 4 pixel rgb(71, 49, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 49, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 49, 53);  
box-shadow:4px 4px 4px 4px rgb(71, 49, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 10.801, 7.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 49, 53) }
```

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

```
.background{ background-color: rgb(71, 49,  
53) }
```

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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