

Converting Colors

CIELCh(23, 57.664, 50.694)

Have a look what the booklet for
CIELCh(23, 57.664, 50.694) contains.

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Color

CIELCh(23, 50.377, 42.773)

Conversions

Conversions Part 1

Format	Color
Hex	6D1600
RGB	109, 22, 0
RGB Percent	43%, 9%, 0%
CMY	0.5735, 0.9147, 1.0000
CMYK	0.00, 0.80, 1.00, 0.57
HSL	12°, 100%, 21%
HSV	12°, 100%, 43%
XYZ	6.5587, 3.8003, 0.3806
YIQ	45.5050, 58.9140, 11.6020

Conversions

Conversions Part 2

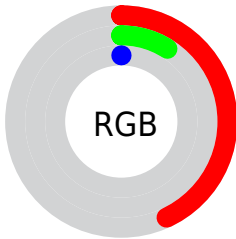
Format	Color
RYB	109, 28, 0
Decimal	7149056
CIELab	23.00, 36.98, 34.21
CIELCh	23, 50.377, 42.773
Yxy	3.8003, 0.6107, 0.3539
Android (android.graphics.Color)	4285339136 (0xFF6D1600)
YUV	45.5050, -22.4340, 55.6851
Hunter-Lab	19.4944, 25.9390, 12.4884

Details

The CIELCh color **23, 50.377, 42.773** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **34, 23.366, 233.534**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 50.246, 42.579**, and **7, 28.774, 22.898** is the 20% darker color. If you saturate the color by 10%, you get **23, 50.312, 42.687**, and if you desaturate by 10%, it is **24, 45.838, 42.613**.

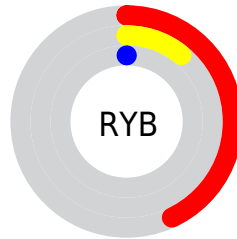
Distribution



Red (43%)

Green (9%)

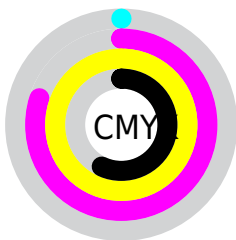
Blue (0%)



Red (43%)

Yellow (11%)

Blue (0%)

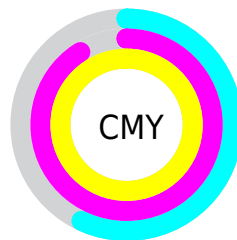


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (57%)



Cyan (57%)

Magenta (91%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 50.377, 42.773 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, 50.377, 42.773 by changing the saturation by 10% instead.

■ 23, 50.377, 42.773

■ 23, 50.377, 42.773

■ 100, 50.377,
42.773

■ 13, 50.377, 42.773

■ 43, 50.377, 42.773

■ 3, 50.377, 42.773

■ 53, 50.377, 42.773

■ 0, 50.377, 42.773

■ 63, 50.377, 42.773

■ 73, 50.377, 42.773

■ 83, 50.377, 42.773

■ 93, 50.377, 42.773

■ 23, 50.377, 42.773

■ 23, 50.377, 42.773

■ 23, 50.312, 42.687

■ 24, 45.838, 42.613

■ 26, 40.242, 41.934

■ 28, 34.277, 41.022

■ 30, 28.423, 40.269

■ 33, 22.833, 39.725

■ 35, 17.575, 39.382

■ 38, 12.672, 39.211

■ 40, 8.121, 39.176

■ 43, 3.905, 39.223

Harmonies

Complementary

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



23, 50.377, 42.773



34, 23.366, 233.534

Rectangle

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



23, 50.377, 42.773



23, 50.377, 92.773



23, 50.377, 222.773



23, 50.377, 272.773

Sweetspot

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



23, 50.312, 42.687



48, 15.660, 39.219



23, 53.211, 337.590



23, 10.903, 39.261



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



23, 50.312, 42.687



30, 62.693, 43.666



35, 44.346, 80.100



21, 2.158, 39.228



25, 53.813, 43.088



54, 96.766, 43.087

Inverse Universe

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



34, 23.366, 233.534



44, 28.104, 234.631



16, 52.266, 296.625



22, 2.048, 219.828



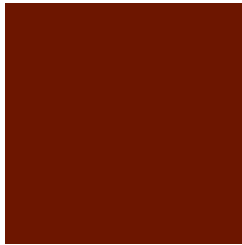
36, 24.671, 233.884



74, 42.678, 236.356

Previews

White Background



This preview shows how the CIE LCh color 23, 50.377, 42.773 looks on a white background.

Color Contrast Check

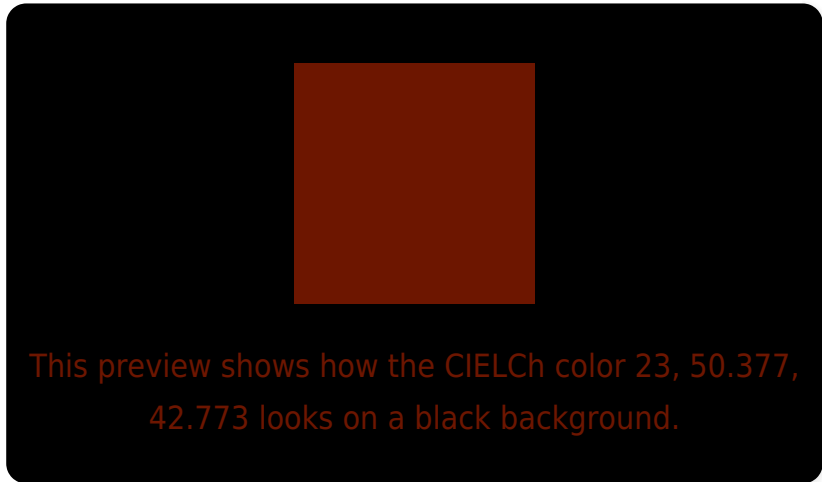
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.377, 42.773

Background



This preview shows how black text looks on a background with the CIELCh color 23, 50.377, 42.773.



This preview shows how white text looks on a background with the CIELCh color 23, 50.377, 42.773.

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, 50.377, 42.773

Protanopia

24, 27.367, 96.187

Deuteranopia

24, 32.926, 85.522



Tritanopia
23, 45.564, 32.931

Trichromacy



Original Color
23, 50.377, 42.773

Protanomaly
22, 31.276, 64.277

Deuteranomaly
22, 36.150, 62.001

Tritanomaly
23, 47.398, 37.386

Monochromacy



Original Color
23, 50.377, 42.773

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 17.944, 40.334

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 50.377, 42.773 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(109, 22, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 22, 0)  
}
```

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(109, 22, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 22, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 50.377, 42.773 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(109, 22, 0) }
```

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

```
.border{ border-color:rgb(109, 22, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 22, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 22, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 22, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 22, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 50.377, 42.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 22, 0) }
```

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

```
.background{ background-color: rgb(109, 22,  
0) }
```

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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