

Converting Colors

CIELCh(23, 56.462, 37.251)

Have a look what the booklet for
CIELCh(23, 56.462, 37.251) contains.

CIELCh(23, 56.477, 37.412)	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, 56.477, 37.412)

Conversions

Conversions Part 1

Format	Color
Hex	750101
RGB	117, 1, 1
RGB Percent	46%, 0%, 0%
CMY	0.5414, 0.9963, 0.9963
CMYK	0.00, 0.99, 0.99, 0.54
HSL	360°, 98%, 23%
HSV	360°, 99%, 46%
XYZ	7.3441, 3.8003, 0.3735
YIQ	35.6840, 69.1360, 24.5920

Conversions

Conversions Part 2

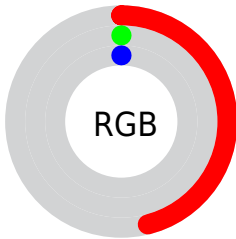
Format	Color
RYB	117, 1, 1
Decimal	7667969
CIELab	23.00, 44.86, 34.31
CIElCh	23, 56.477, 37.412
Yxy	3.8003, 0.6376, 0.3299
Android (android.graphics.Color)	4285858049 (0xFF750101)
YUV	35.6840, -17.0992, 71.3141
Hunter-Lab	19.4944, 33.1307, 12.5100

Details

The CIELCh color **23, 56.477, 37.412** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **44, 28.117, 196.385**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 56.743, 37.462**, and **9, 31.528, 24.955** is the 20% darker color. If you saturate the color by 10%, you get **23, 56.805, 37.545**, and if you desaturate by 10%, it is **24, 52.371, 35.518**.

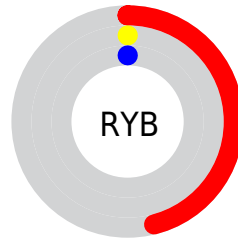
Distribution



Red (46%)

Green (0%)

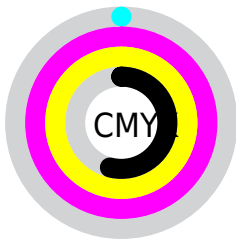
Blue (0%)



Red (46%)

Yellow (0%)

Blue (0%)

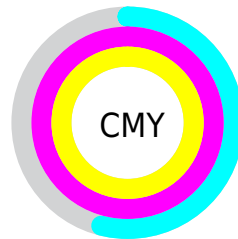


Cyan (0%)

Magenta (99%)

Yellow (99%)

Black (54%)



Cyan (54%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 56.477, 37.412 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, 56.477, 37.412 by changing the saturation by 10% instead.

■ 23, 56.477, 37.412

■ 23, 56.477, 37.412

■ 100, 56.477,
37.412

■ 13, 56.477, 37.412

■ 43, 56.477, 37.412

■ 3, 56.477, 37.412

■ 53, 56.477, 37.412

■ 0, 56.477, 37.412

■ 63, 56.477, 37.412

■ 73, 56.477, 37.412

■ 83, 56.477, 37.412

■ 93, 56.477, 37.412

■ 23, 56.477, 37.412

■ 23, 56.477, 37.412

23, 56.805, 37.545

24, 52.371, 35.518

25, 46.807, 32.313

27, 40.535, 29.176

30, 34.053, 26.570

32, 27.590, 24.502

36, 21.315, 22.892

39, 15.339, 21.643

42, 9.723, 20.667

46, 4.487, 19.872

Harmonies

Complementary

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



23, 56.477, 37.412



44, 28.117, 196.385

Rectangle

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



23, 56.477, 37.412



23, 56.477, 87.412



23, 56.477, 217.412



23, 56.477, 267.412

Sweetspot

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



23, 56.475, 37.414



50, 19.751, 21.820



27, 64.821, 327.593



24, 13.550, 22.213



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



23, 56.475, 37.414



31, 70.928, 39.524



31, 47.374, 60.922



23, 2.751, 19.860



24, 59.041, 37.986



52, 102.984, 39.999

Inverse Universe

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



23, 56.475, 37.414



31, 70.928, 39.524



26, 37.472, 280.037



23, 2.751, 19.860



24, 59.041, 37.986



52, 102.984, 39.999

Previews

White Background



This preview shows how the CIELCh color 23, 56.477, 37.412 looks on a white background.

Color Contrast Check

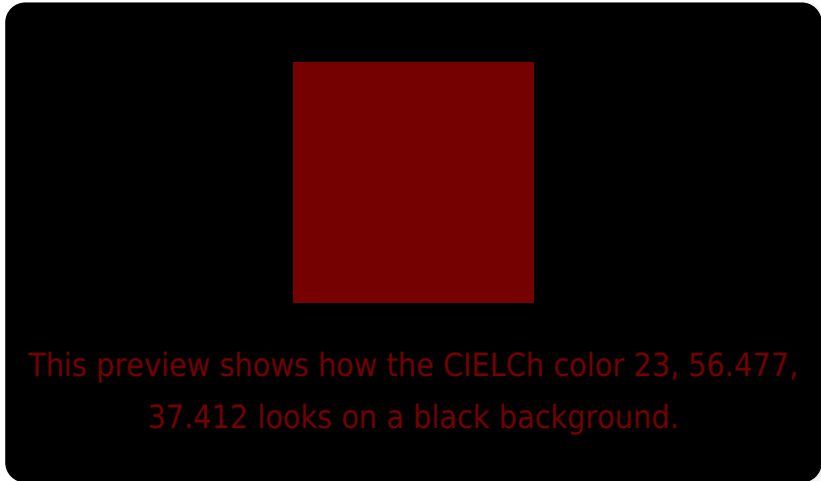
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.477, 37.412

Background



This preview shows how black text looks on a background with the CIELCh color 23, 56.477, 37.412.



This preview shows how white text looks on a background with the CIELCh color 23, 56.477, 37.412.

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, 56.477, 37.412

Protanopia

25, 27.371, 96.374

Deuteranopia

25, 33.845, 86.020



Tritanopia
24, 55.101, 39.635

Trichromacy



Original Color
23, 56.477, 37.412

Protanomaly
21, 33.380, 53.637

Deuteranomaly
22, 39.013, 54.094

Tritanomaly
23, 55.563, 38.846

Monochromacy



Original Color
23, 56.477, 37.412

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 22.872, 26.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 56.477, 37.412 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(117, 1, 1)` looks like.

```
.text, #text, p{  
    color:rgb(117, 1, 1)  
}
```

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(117, 1, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 1, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 56.477, 37.412 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(117, 1, 1) }
```

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

```
.border{ border-color:rgb(117, 1, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 1, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 1, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(117, 1, 1); box-shadow:4px  
4px 4px 4px rgb(117, 1, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 56.477, 37.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 1, 1) }
```

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

```
.background{ background-color: rgb(117, 1,  
1) }
```

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