

Converting Colors

CIELCh(22, 47.077, 43.225)

Have a look what the booklet for
CIELCh(22, 47.077, 43.225) contains.

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Color

CIELCh(22, 47.200, 43.030)

Conversions

Conversions Part 1

Format	Color
Hex	671701
RGB	103, 23, 1
RGB Percent	40%, 9%, 0%
CMY	0.5954, 0.9091, 0.9954
CMYK	0.00, 0.78, 0.99, 0.60
HSL	13°, 98%, 20%
HSV	13°, 99%, 40%
XYZ	5.9289, 3.5154, 0.4001
YIQ	44.4120, 54.7420, 10.1180

Conversions

Conversions Part 2

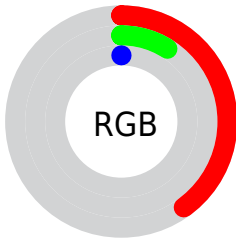
Format	Color
RYB	103, 29, 1
Decimal	6756097
CIELab	22.00, 34.50, 32.21
CIElCh	22, 47.200, 43.030
Yxy	3.5154, 0.6023, 0.3571
Android (android.graphics.Color)	4284946177 (0xFF671701)
YUV	44.4120, -21.4021, 51.3817
Hunter-Lab	18.7494, 23.6329, 11.8594

Details

The CIELCh color **22, 47.200, 43.030** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **32, 22.541, 236.138**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 47.148, 43.427**, and **6, 25.836, 20.252** is the 20% darker color. If you saturate the color by 10%, you get **22, 47.669, 43.051**, and if you desaturate by 10%, it is **23, 42.906, 43.276**.

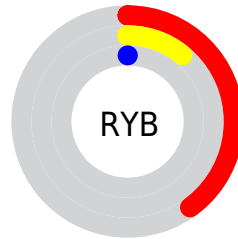
Distribution



Red (40%)

Green (9%)

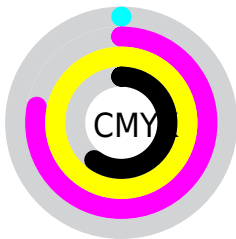
Blue (0%)



Red (40%)

Yellow (11%)

Blue (0%)

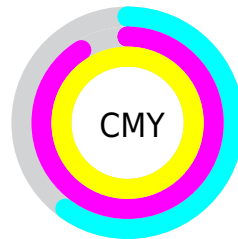


Cyan (0%)

Magenta (78%)

Yellow (99%)

Black (60%)



Cyan (60%)

Magenta (91%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 22, 47.200, 43.030 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 22, 47.200, 43.030 by changing the saturation by 10% instead.

■ 22, 47.200, 43.030

■ 22, 47.200, 43.030

■ 100, 47.200,
43.030

■ 12, 47.200, 43.030

■ 42, 47.200, 43.030

■ 2, 47.200, 43.030

■ 52, 47.200, 43.030

■ 0, 47.200, 43.030

■ 62, 47.200, 43.030

■ 72, 47.200, 43.030

■ 82, 47.200, 43.030

■ 92, 47.200, 43.030

■ 22, 47.200, 43.030

■ 22, 47.200, 43.030

22, 47.669, 43.051

23, 42.906, 43.276

25, 37.522, 42.775

27, 31.847, 42.043

29, 26.316, 41.461

31, 21.052, 41.067

34, 16.110, 40.854

36, 11.505, 40.795

39, 7.230, 40.856

41, 3.267, 40.978

Harmonies

Complementary

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



22, 47.200, 43.030



32, 22.541, 236.138

Rectangle

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



22, 47.200, 43.030



22, 47.200, 93.030



22, 47.200, 223.030



22, 47.200, 273.030

Sweetspot

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



22, 47.199, 43.033



47, 15.053, 40.796



22, 51.083, 337.423



23, 10.476, 40.808



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



22, 47.199, 43.033



30, 60.416, 44.184



33, 42.331, 80.422



20, 2.053, 40.978



25, 52.465, 43.637



53, 95.366, 43.571

Inverse Universe

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



32, 22.541, 236.138



41, 27.568, 237.773



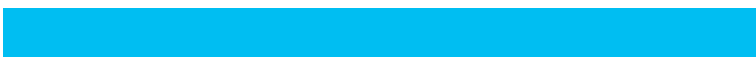
16, 49.391, 296.086



20, 1.952, 221.699



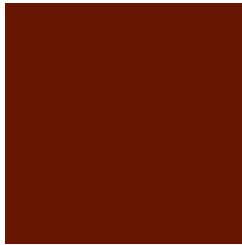
35, 24.458, 237.023



72, 42.769, 239.742

Previews

White Background



This preview shows how the CIE LCh color 22, 47.200, 43.030 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 22, 47.200, 43.030 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 22, 47.200, 43.030

Background



This preview shows how black text looks on a background with the CIELCh color 22, 47.200, 43.030.



This preview shows how white text looks on a background with the CIELCh color 22, 47.200, 43.030.

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

22, 47.200, 43.030

Protanopia

23, 26.857, 95.969

Deuteranopia

23, 31.768, 85.928



Tritanopia
22, 41.837, 31.758

Trichromacy



Original Color
22, 47.200, 43.030

Protanomaly
21, 30.062, 64.995

Deuteranomaly
22, 34.458, 64.188

Tritanomaly
22, 44.216, 37.121

Monochromacy



Original Color
22, 47.200, 43.030

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 16.907, 41.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 47.200, 43.030 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(103, 23, 1)` looks like.

```
.text, #text, p{  
    color:rgb(103, 23, 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(103, 23, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 23, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 47.200, 43.030 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(103, 23, 1) }
```

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

```
.border{ border-color:rgb(103, 23, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 23, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 23, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 23, 1);  
box-shadow:4px 4px 4px 4px rgb(103, 23, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 22, 47.200, 43.030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 23, 1) }
```

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

```
.background{ background-color: rgb(103, 23,  
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](#).

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