

Converting Colors

CIELCh(23, 46.887, 9.312)

Have a look what the booklet for
CIELCh(23, 46.887, 9.312) contains.

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Color

CIELCh(23, 46.958, 9.276)

Conversions

Conversions Part 1

Format	Color
Hex	73002E
RGB	115, 0, 46
RGB Percent	45%, 0%, 18%
CMY	0.5506, 1.0000, 0.8208
CMYK	0.00, 1.00, 0.60, 0.55
HSL	336°, 100%, 22%
HSV	336°, 100%, 45%
XYZ	7.4988, 3.8003, 2.8919
YIQ	39.6290, 53.7740, 38.6860

Conversions

Conversions Part 2

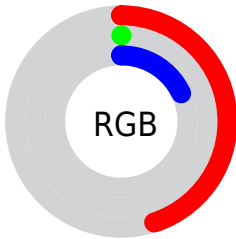
Format	Color
R_{YB}	115, 0, 46
Decimal	7536686
CIE Lab	23.00, 46.34, 7.57
CIE LCh	23, 46.958, 9.276
Yxy	3.8003, 0.5284, 0.2678
Android (android.graphics.Color)	4285726766 (0xFF73002E)
YUV	39.6290, 3.1409, 66.1004
Hunter-Lab	19.4944, 34.5472, 4.8506

Details

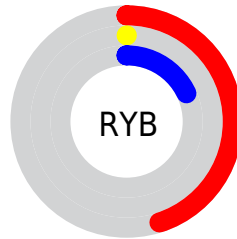
The CIELCh color **23, 46.958, 9.276** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **42, 43.294, 155.916**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 47.090, 9.393**, and **9, 31.983, 25.401** is the 20% darker color. If you saturate the color by 10%, you get **23, 46.846, 9.371**, and if you desaturate by 10%, it is **24, 44.557, 5.508**.

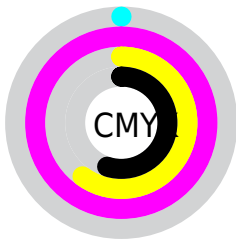
Distribution



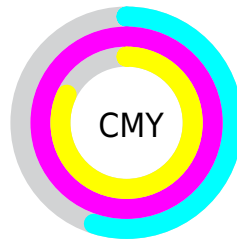
- Red (45%)
- Green (0%)
- Blue (18%)



- Red (45%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (55%)



- Cyan (55%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 46.958, 9.276 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, 46.958, 9.276 by changing the saturation by 10% instead.

 23, 46.958, 9.276

 23, 46.958, 9.276

 100, 46.958, 9.276

 13, 46.958, 9.276

 43, 46.958, 9.276

 3, 46.958, 9.276

 53, 46.958, 9.276

 0, 46.958, 9.276

 63, 46.958, 9.276

 73, 46.958, 9.276

 83, 46.958, 9.276

 93, 46.958, 9.276

 23, 46.958, 9.276

 23, 46.958, 9.276

 23, 46.846, 9.371

 24, 44.557, 5.508

■ 25, 41.802, 2.014

■ 27, 38.026,
359.230

■ 30, 33.397,
357.001

■ 32, 28.166,
355.188

■ 35, 22.581,
353.683

■ 38, 16.848,
352.405

■ 41, 11.115,
351.296

■ 45, 5.481, 350.302

Harmonies

Complementary

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



23, 46.958, 9.276



42, 43.294, 155.916

Rectangle

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



23, 46.958, 9.276



23, 46.958, 59.276



23, 46.958, 189.276



23, 46.958, 239.276

Sweetspot

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



23, 46.846, 9.371



49, 20.777, 352.495



18, 67.455, 314.869



23, 14.115, 352.889



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



23, 46.846, 9.371



31, 56.419, 10.782



23, 54.444, 39.673



22, 3.025, 350.203



24, 48.383, 9.640



53, 83.072, 12.849

Inverse Universe

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



23, 46.846, 9.371



31, 56.419, 10.782



40, 24.813, 213.363



22, 3.025, 350.203



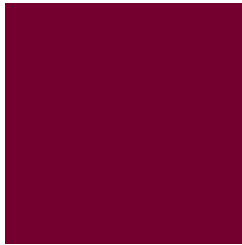
24, 48.383, 9.640



53, 83.072, 12.849

Previews

White Background



This preview shows how the CIE LCh color 23, 46.958, 9.276 looks on a white background.

Color Contrast Check

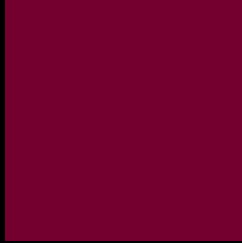
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.958, 9.276 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, 46.958, 9.276

Background



This preview shows how black text looks on a background with the CIELCh color 23, 46.958, 9.276.



This preview shows how white text looks on a background with the CIELCh color 23, 46.958, 9.276.

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, 46.958, 9.276

Protanopia

25, 5.948, 291.426

Deuteranopia

25, 12.277, 72.590



Tritanopia
24, 49.044, 34.533

Trichromacy



Original Color
23, 46.958, 9.276

Protanomaly
21, 23.378, 347.311

Deuteranomaly
22, 24.847, 15.556

Tritanomaly
23, 47.454, 26.097

Monochromacy



Original Color
23, 46.958, 9.276

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 21.920, 357.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 46.958, 9.276 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(115, 0, 46)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 46)  
}
```

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(115, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 46.958, 9.276 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(115, 0, 46) }
```

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

```
.border{ border-color:rgb(115, 0, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 0, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(115, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 46.958, 9.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 46) }
```

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

```
.background{ background-color: rgb(115, 0,  
46) }
```

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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