

Converting Colors

CIELCh(23, 47.508, 15.596)

Have a look what the booklet for
CIELCh(23, 47.508, 15.596) contains.

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Color

CIELCh(23, 47.601, 15.722)

Conversions

Conversions Part 1

Format	Color
Hex	730026
RGB	115, 0, 38
RGB Percent	45%, 0%, 15%
CMY	0.5484, 0.9991, 0.8505
CMYK	0.00, 1.00, 0.67, 0.55
HSL	340°, 100%, 23%
HSV	340°, 100%, 45%
XYZ	7.4440, 3.8003, 2.1842
YIQ	38.7170, 56.3420, 36.1980

Conversions

Conversions Part 2

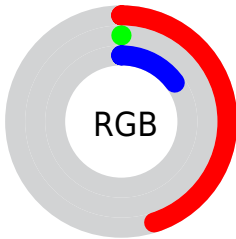
Format	Color
R_{YB}	115, 0, 38
Decimal	7536678
CIE Lab	23.00, 45.82, 12.90
CIE LCh	23, 47.601, 15.722
Yxy	3.8003, 0.5543, 0.2830
Android (android.graphics.Color)	4285726758 (0xFF730026)
YUV	38.7170, -0.3535, 66.9002
Hunter-Lab	19.4944, 34.0453, 7.0030

Details

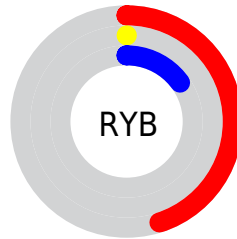
The CIELCh color **23, 47.601, 15.722** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **43, 40.036, 160.630**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 47.828, 16.045**, and **9, 31.983, 25.401** is the 20% darker color. If you saturate the color by 10%, you get **23, 47.658, 15.802**, and if you desaturate by 10%, it is **24, 44.802, 11.474**.

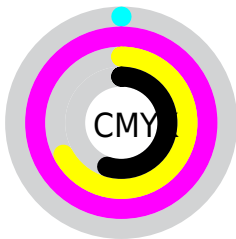
Distribution



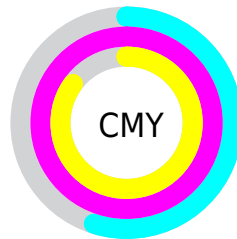
- Red (45%)
- Green (0%)
- Blue (15%)



- Red (45%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (55%)



- Cyan (55%)
- Magenta (100%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 47.601, 15.722 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, 47.601, 15.722 by changing the saturation by 10% instead.

 23, 47.601, 15.722

 23, 47.601, 15.722

 100, 47.601,
15.722

 13, 47.601, 15.722

 43, 47.601, 15.722

 3, 47.601, 15.722

 53, 47.601, 15.722

 0, 47.601, 15.722

 63, 47.601, 15.722

 73, 47.601, 15.722

 83, 47.601, 15.722

 93, 47.601, 15.722

 23, 47.601, 15.722

 23, 47.601, 15.722

■ 23, 47.658, 15.802

■ 24, 44.802, 11.474

■ 25, 41.633, 7.589

■ 27, 37.580, 4.478

■ 30, 32.789, 1.997

■ 32, 27.491,
359.996

■ 35, 21.918,
358.354

■ 38, 16.261,
356.979

■ 42, 10.655,
355.801

■ 45, 5.186, 354.756

Harmonies

Complementary

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



23, 47.601, 15.722



43, 40.036, 160.630

Rectangle

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



23, 47.601, 15.722



23, 47.601, 65.722



23, 47.601, 195.722



23, 47.601, 245.722

Sweetspot

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



23, 47.599, 15.724



50, 20.400, 357.104



19, 66.757, 316.753



24, 14.076, 357.546



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, 47.599, 15.724



31, 58.152, 17.393



24, 53.498, 41.701



23, 3.018, 354.680



25, 49.853, 16.198



53, 85.684, 19.552

Inverse Universe

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



23, 47.599, 15.724



31, 58.152, 17.393



37, 24.197, 226.747



23, 3.018, 354.680



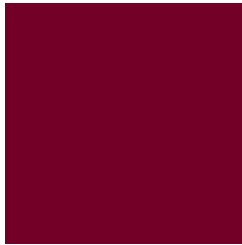
25, 49.853, 16.198



53, 85.684, 19.552

Previews

White Background



This preview shows how the CIELCh color 23, 47.601, 15.722 looks on a white background.

Color Contrast Check

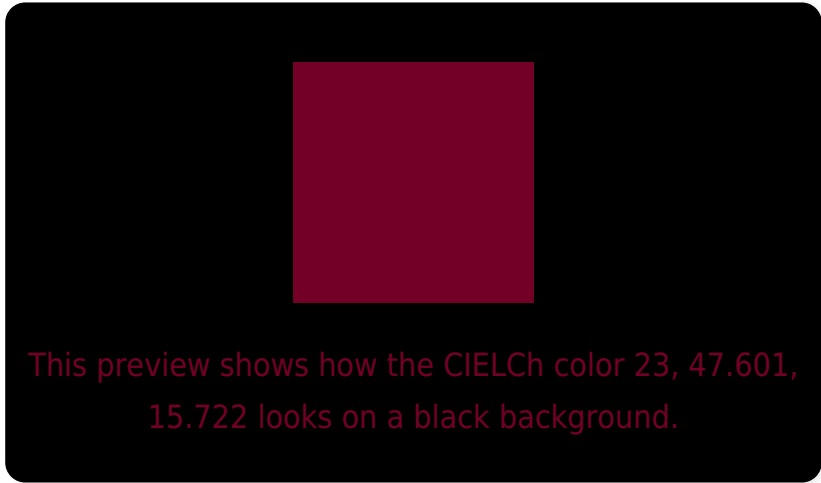
Large Text (above 18pt) WCAG AA ✓ Pass

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

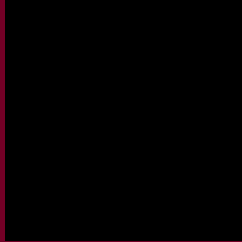
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 47.601, 15.722

Background



This preview shows how black text looks on a background with the CIELCh color 23, 47.601, 15.722.



This preview shows how white text looks on a background with the CIELCh color 23, 47.601, 15.722.

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, 47.601, 15.722

Protanopia

25, 2.019, 96.519

Deuteranopia

25, 17.397, 78.000



Tritanopia
23, 50.671, 35.722

Trichromacy



Original Color
23, 47.601, 15.722

Protanomaly
21, 21.113, 5.024

Deuteranomaly
22, 26.968, 27.425

Tritanomaly
23, 48.917, 29.389

Monochromacy



Original Color
23, 47.601, 15.722

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 22.012, 1.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 47.601, 15.722 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, 38)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 38)  
}
```

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, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 47.601, 15.722 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, 38) }
```

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

```
.border{ border-color:rgb(115, 0, 38) }
```

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, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 38);  
box-shadow:4px 4px 4px 4px rgb(115, 0, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 47.601, 15.722 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, 38) }
```

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

```
.background{ background-color: rgb(115, 0,  
38) }
```

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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