

Converting Colors

CIELCh(23, 46.873, 4.271)

Have a look what the booklet for
CIELCh(23, 46.873, 4.271) contains.

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Color

CIELCh(23, 46.665, 4.011)

Conversions

Conversions Part 1

Format	Color
Hex	720034
RGB	114, 0, 52
RGB Percent	45%, 0%, 20%
CMY	0.5539, 1.0000, 0.7968
CMYK	0.00, 1.00, 0.54, 0.55
HSL	333°, 100%, 22%
HSV	333°, 100%, 45%
XYZ	7.5205, 3.8003, 3.5641
YIQ	40.0140, 51.2520, 40.3400

Conversions

Conversions Part 2

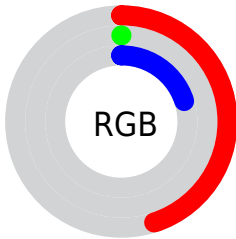
Format	Color
RYB	114, 0, 52
Decimal	7471156
CIELab	23.00, 46.55, 3.26
CIElCh	23, 46.665, 4.011
Yxy	3.8003, 0.5052, 0.2553
Android (android.graphics.Color)	4285661236 (0xFF720034)
YUV	40.0140, 5.9091, 64.8857
Hunter-Lab	19.4944, 34.7460, 2.8064

Details

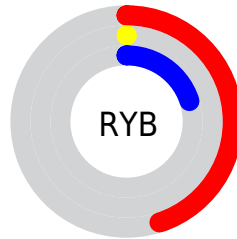
The CIELCh color **23, 46.665, 4.011** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **42, 45.835, 152.586**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 46.961, 4.092**, and **9, 31.444, 22.068** is the 20% darker color. If you saturate the color by 10%, you get **23, 46.594, 4.062**, and if you desaturate by 10%, it is **24, 44.629, 0.618**.

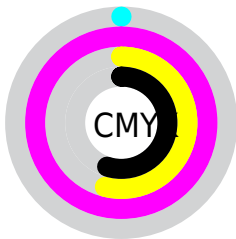
Distribution



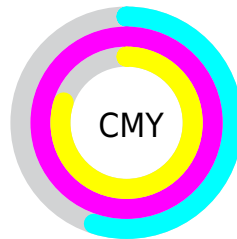
- Red (45%)
- Green (0%)
- Blue (20%)



- Red (45%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (55%)



- Cyan (55%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 46.665, 4.011 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, 46.665, 4.011 by changing the saturation by 10% instead.

 23, 46.665, 4.011  23, 46.665, 4.011

 100, 46.665, 4.011  13, 46.665, 4.011

 43, 46.665, 4.011  3, 46.665, 4.011

 53, 46.665, 4.011  0, 46.665, 4.011

 63, 46.665, 4.011

 73, 46.665, 4.011

 83, 46.665, 4.011

 93, 46.665, 4.011

 23, 46.665, 4.011  23, 46.665, 4.011

 23, 46.594, 4.062  24, 44.629, 0.618

■ 25, 42.114,
357.525

■ 27, 38.485,
355.057

■ 29, 33.929,
353.068

■ 32, 28.709,
351.433

■ 35, 23.085,
350.059

■ 38, 17.269,
348.878

■ 41, 11.421,
347.840

■ 45, 5.644, 346.899

Harmonies

Complementary

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



23, 46.665, 4.011



42, 45.835, 152.586

Rectangle

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



23, 46.665, 4.011



23, 46.665, 54.011



23, 46.665, 184.011



23, 46.665, 234.011

Sweetspot

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



23, 46.594, 4.062



49, 21.422, 348.965



16, 68.008, 313.171



23, 14.541, 349.330



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, 46.594, 4.062



31, 56.260, 5.369



22, 55.004, 38.046



22, 3.134, 346.806



24, 48.349, 4.343



53, 82.502, 7.240

Inverse Universe

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



23, 46.594, 4.062



31, 56.260, 5.369



42, 26.437, 201.539



22, 3.134, 346.806



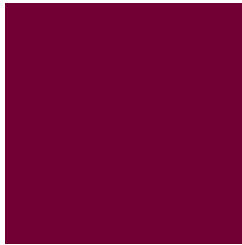
24, 48.349, 4.343



53, 82.502, 7.240

Previews

White Background



This preview shows how the CIE LCh color 23, 46.665, 4.011 looks on a white background.

Color Contrast Check

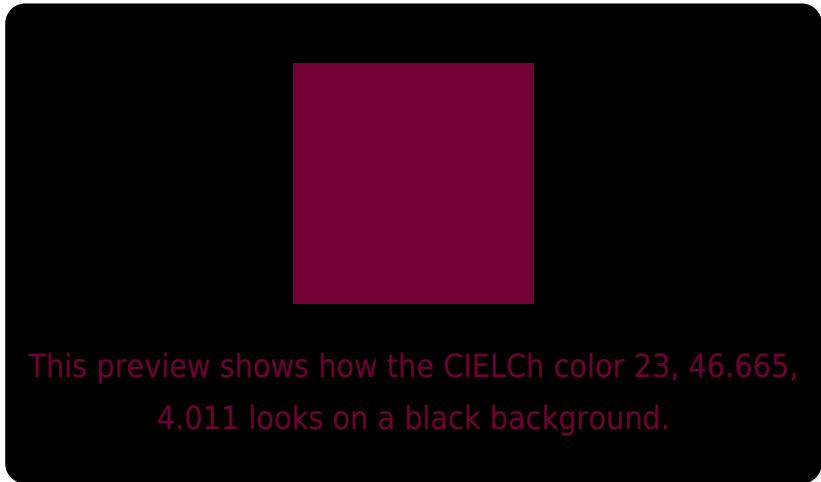
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.665, 4.011

Background



This preview shows how black text looks on a background with the CIELCh color 23, 46.665, 4.011.



This preview shows how white text looks on a background with the CIELCh color 23, 46.665, 4.011.

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, 46.665, 4.011

Protanopia

25, 11.259, 286.354

Deuteranopia

25, 8.909, 67.064



Tritanopia
24, 46.665, 33.534

Trichromacy



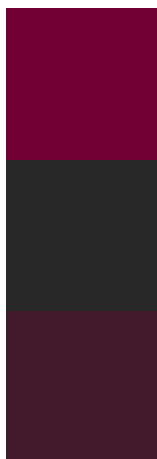
Original Color
23, 46.665, 4.011

Protanomaly
21, 25.560, 334.824

Deuteranomaly
22, 24.402, 5.877

Tritanomaly
23, 45.583, 22.534

Monochromacy



Original Color
23, 46.665, 4.011

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 22.920, 352.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 46.665, 4.011 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(114, 0, 52)` looks like.

```
.text, #text, p{  
    color:rgb(114, 0, 52)  
}
```

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(114, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 0, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 46.665, 4.011 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(114, 0, 52) }
```

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

```
.border{ border-color:rgb(114, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(114, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(114, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 46.665, 4.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 0, 52) }
```

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

```
.background{ background-color: rgb(114, 0,  
52) }
```

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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