

Converting Colors

CIELCh(23, 49.028, 346.212)

Have a look what the booklet for
CIELCh(23, 49.028, 346.212)
contains.

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Color

CIELCh(23, 49.042, 346.460)

Conversions

Conversions Part 1

Format	Color
Hex	6E0049
RGB	110, 0, 73
RGB Percent	43%, 0%, 29%
CMY	0.5685, 0.9997, 0.7136
CMYK	0.00, 1.00, 0.34, 0.57
HSL	320°, 100%, 22%
HSV	320°, 100%, 43%
XYZ	7.6397, 3.8003, 6.6402
YIQ	41.2120, 42.1270, 46.0230

Conversions

Conversions Part 2

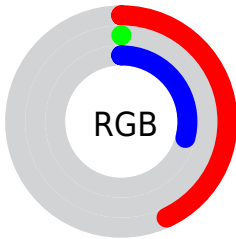
Format	Color
RYB	110, 0, 73
Decimal	7209033
CIELab	23.00, 47.68, -11.48
CIELCh	23, 49.042, 346.460
Yxy	3.8003, 0.4225, 0.2102
Android (android.graphics.Color)	4285399113 (0xFF6E0049)
YUV	41.2120, 15.6715, 60.3271
Hunter-Lab	19.4944, 35.8375, -6.5493

Details

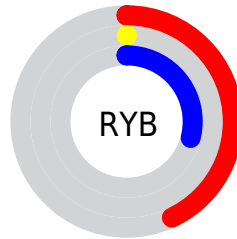
The CIELCh color **23, 49.042, 346.460** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **40, 54.235, 143.396**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 49.314, 346.064**, and **9, 30.220, 354.488** is the 20% darker color. If you saturate the color by 10%, you get **23, 49.050, 346.471**, and if you desaturate by 10%, it is **24, 47.476, 344.723**.

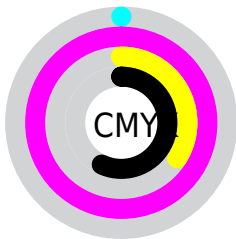
Distribution



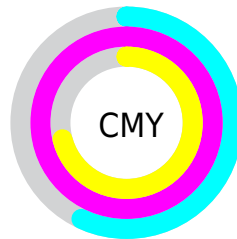
- Red (43%)
- Green (0%)
- Blue (29%)



- Red (43%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (57%)




- Cyan (57%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 49.042, 346.460 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, 49.042, 346.460 by changing the saturation by 10% instead.

 23, 49.042,
346.460

 23, 49.042,
346.460

 100, 49.042,
346.460

 13, 49.042,
346.460

 43, 49.042,
346.460

 3, 49.042, 346.460

 53, 49.042,
346.460

 0, 49.042, 346.460

 63, 49.042,
346.460

 73, 49.042,
346.460

 83, 49.042,
346.460

 93, 49.042,

346.460

■ 23, 49.042,
346.460

■ 23, 49.042,
346.460

■ 23, 49.050,
346.471

■ 24, 47.476,
344.723

■ 25, 45.188,
343.134

■ 27, 41.600,
341.805

■ 29, 36.926,
340.664

■ 31, 31.448,
339.660

■ 34, 25.441,
338.756

■ 37, 19.137,
337.928

■ 40, 12.714,
337.159

■ 43, 6.296, 336.429

Harmonies

Complementary

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



23, 49.042, 346.460



40, 54.235, 143.396

Rectangle

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



23, 49.042, 346.460



23, 49.042, 36.460



23, 49.042, 166.460



23, 49.042, 216.460

Sweetspot

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



23, 49.040, 346.461



48, 23.746, 337.997



13, 69.066, 309.249



22, 16.080, 338.250



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



23, 49.040, 346.461



31, 58.863, 347.130



21, 49.837, 29.044



22, 3.618, 336.362



25, 52.036, 346.701



55, 87.917, 348.146

Inverse Universe

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



23, 49.040, 346.461



31, 58.863, 347.130



41, 31.780, 175.212



22, 3.618, 336.362



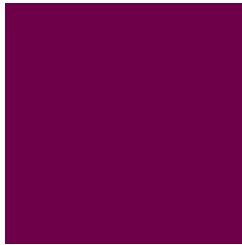
25, 52.036, 346.701



55, 87.917, 348.146

Previews

White Background



This preview shows how the CIE LCh color 23, 49.042, 346.460 looks on a white background.

Color Contrast Check

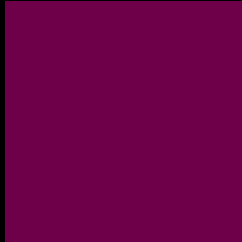
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.042, 346.460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

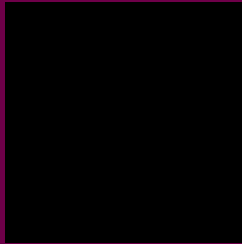
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 49.042, 346.460

Background



This preview shows how black text looks on a background with the CIELCh color 23, 49.042, 346.460.



This preview shows how white text looks on a background with the CIELCh color 23, 49.042, 346.460.

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, 49.042, 346.460

Protanopia

25, 31.160, 285.670

Deuteranopia

25, 7.414, 301.692



Tritanopia
24, 39.576, 29.221

Trichromacy



Original Color
23, 49.042, 346.460

Protanomaly
21, 39.127, 311.682

Deuteranomaly
21, 28.024, 333.390

Tritanomaly
23, 40.798, 10.193

Monochromacy



Original Color
23, 49.042, 346.460

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 24.854, 339.717

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 49.042, 346.460 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(110, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(110, 0, 73)  
}
```

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(110, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 0, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 49.042, 346.460 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(110, 0, 73) }
```

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

```
.border{ border-color:rgb(110, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(110, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 49.042, 346.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 0, 73) }
```

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

```
.background{ background-color: rgb(110, 0,  
73) }
```

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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