

Converting Colors

CIELCh(23, 18.916, 334.197)

Have a look what the booklet for
CIELCh(23, 18.916, 334.197)
contains.

CIELCh(23, 18.449, 334.671)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(23, 18.449, 334.671)

Conversions

Conversions Part 1

Format	Color
Hex	4A2E43
RGB	74, 46, 67
RGB Percent	29%, 18%, 26%
CMY	0.7103, 0.8200, 0.7377
CMYK	0.00, 0.38, 0.09, 0.71
HSL	315°, 23%, 23%
HSV	315°, 38%, 29%
XYZ	4.7972, 3.8003, 5.7727
YIQ	56.7660, 9.9470, 12.4670

Conversions

Conversions Part 2

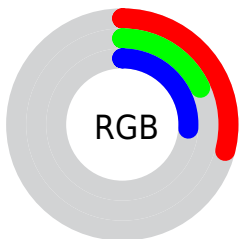
Format	Color
RYB	74, 46, 67
Decimal	4861507
CIELab	23.00, 16.68, -7.89
CIElCh	23, 18.449, 334.671
Yxy	3.8003, 0.3338, 0.2645
Android (android.graphics.Color)	4283051587 (0xFF4A2E43)
YUV	56.7660, 5.0454, 15.1142
Hunter-Lab	19.4944, 9.8100, -3.9111

Details

The CIELCh color **23, 18.449, 334.671** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **29, 18.318, 149.593**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 18.631, 334.270**, and **3, 18.107, 333.904** is the 20% darker color. If you saturate the color by 10%, you get **21, 23.117, 335.364**, and if you desaturate by 10%, it is **25, 13.608, 334.011**.

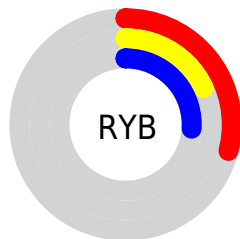
Distribution



Red (29%)

Green (18%)

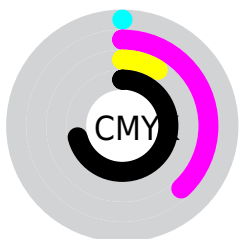
Blue (26%)



Red (29%)

Yellow (18%)

Blue (26%)

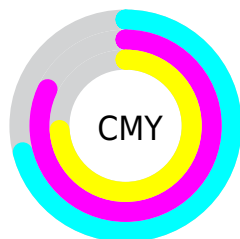


Cyan (0%)

Magenta (38%)

Yellow (9%)

Black (71%)



Cyan (71%)


Magenta (82%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 18.449, 334.671 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, 18.449, 334.671 by changing the saturation by 10% instead.

 23, 18.449,
334.671


 23, 18.449,
334.671

 100, 18.449,
334.671


 13, 18.449,
334.671


 43, 18.449,
334.671


 3, 18.449, 334.671

 53, 18.449,
334.671

 0, 18.449, 334.671

 63, 18.449,
334.671

 73, 18.449,
334.671

 83, 18.449,
334.671

 93, 18.449,

334.671

■ 23, 18.449,
334.671

■ 23, 18.449,
334.671

■ 21, 23.117,
335.364

■ 25, 13.608,
334.011

■ 19, 27.477,
336.095

■ 27, 8.706, 333.376

■ 18, 31.356,
336.877

■ 30, 3.816, 332.752

■ 32, 1.010, 152.377

■ 16, 34.570,
337.728

■ 34, 5.739, 151.700

■ 15, 36.960,
338.675

■ 37, 10.354,
151.166

■ 14, 39.176,
339.600

■ 39, 14.844,
150.665

■ 14, 39.680,
339.783

■ 41, 19.209,
150.191

■ 44, 23.449,
149.743

Harmonies

Complementary

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



23, 18.449, 334.671



29, 18.318, 149.593

Rectangle

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



23, 18.449, 334.671



23, 18.449, 24.671



23, 18.449, 154.671



23, 18.449, 204.671

Sweetspot

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



23, 18.448, 334.672



38, 6.680, 332.975



21, 19.212, 301.982



18, 4.429, 333.010



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



23, 18.448, 334.672



29, 27.235, 335.285



23, 14.101, 2.248



13, 2.622, 332.794



21, 48.335, 340.409



51, 87.204, 341.580

Inverse Universe

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



23, 18.448, 334.672



29, 27.235, 335.285



29, 12.578, 174.944



13, 2.622, 332.794



21, 48.335, 340.409



51, 87.204, 341.580

Previews

White Background



This preview shows how the CIE LCh color 23, 18.449, 334.671 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 CIELCh color 23, 18.449, 334.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

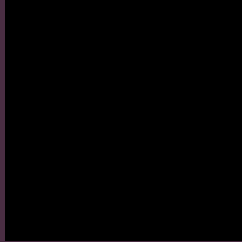
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 18.449, 334.671

Background



This preview shows how black text looks on a background with the CIELCh color 23, 18.449, 334.671.



This preview shows how white text looks on a background with the CIELCh color 23, 18.449, 334.671.

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, 18.449, 334.671

Protanopia

23, 12.093, 283.315

Deuteranopia

23, 7.410, 298.432



Tritanopia
23, 11.210, 11.682

Trichromacy



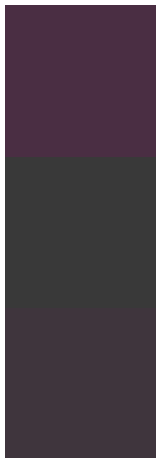
Original Color
23, 18.449, 334.671

Protanomaly
23, 13.078, 305.721

Deuteranomaly
23, 11.341, 319.691

Tritanomaly
23, 13.025, 355.226

Monochromacy



Original Color
23, 18.449, 334.671

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 7.000, 331.375

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 18.449, 334.671 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(74, 46, 67)` looks like.

```
.text, #text, p{  
    color:rgb(74, 46, 67)  
}
```

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(74, 46, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 46, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 18.449, 334.671 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(74, 46, 67) }
```

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

```
.border{ border-color:rgb(74, 46, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 46, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 46, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 46, 67);  
box-shadow:4px 4px 4px 4px rgb(74, 46, 67)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 18.449, 334.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 46, 67) }
```

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

```
.background{ background-color: rgb(74, 46,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor