

Converting Colors

CIELCh(23, 12.509, 101.972)

Have a look what the booklet for
CIELCh(23, 12.509, 101.972)
contains.

CIELCh(23, 11.974, 100.185)	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, 11.974, 100.185)

Conversions

Conversions Part 1

Format	Color
Hex	3A3725
RGB	58, 55, 37
RGB Percent	23%, 22%, 15%
CMY	0.7715, 0.7833, 0.8539
CMYK	0.00, 0.05, 0.36, 0.77
HSL	51°, 22%, 19%
HSV	51°, 36%, 23%
XYZ	3.4773, 3.8003, 2.3212
YIQ	53.8450, 7.5660, -4.9620

Conversions

Conversions Part 2

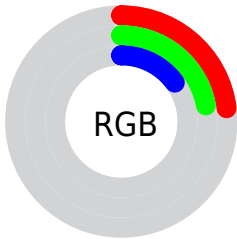
Format	Color
RYB	41, 58, 37
Decimal	3815205
CIELab	23.00, -2.12, 11.79
CIELCh	23, 11.974, 100.185
Yxy	3.8003, 0.3623, 0.3959
Android (android.graphics.Color)	4282005285 (0xFF3A3725)
YUV	53.8450, -8.3046, 3.6439
Hunter-Lab	19.4944, -2.2753, 6.5863

Details

The CIELCh color **23, 11.974, 100.185** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 12.590, 287.866**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 12.074, 99.941**, and **3, 4.897, 113.705** is the 20% darker color. If you saturate the color by 10%, you get **23, 15.250, 99.209**, and if you desaturate by 10%, it is **23, 8.661, 101.161**.

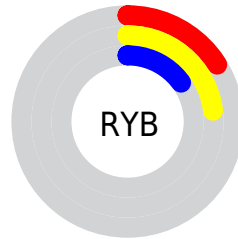
Distribution



 Red (23%)

 Green (22%)

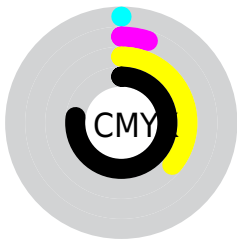
 Blue (15%)



 Red (16%)

 Yellow (23%)

 Blue (15%)

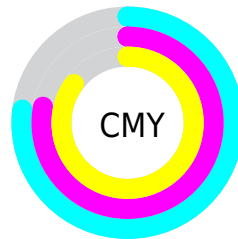


 Cyan (0%)

 Magenta (5%)

 Yellow (36%)

 Black (77%)



 Cyan (77%)


 Magenta (78%)


 Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 11.974, 100.185 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, 11.974, 100.185 by changing the saturation by 10% instead.

 23, 11.974,
100.185


 23, 11.974,
100.185

 100, 11.974,
100.185


 13, 11.974,
100.185


 43, 11.974,
100.185


 3, 11.974, 100.185

 53, 11.974,
100.185

 0, 11.974, 100.185

 63, 11.974,
100.185

 73, 11.974,
100.185

 83, 11.974,
100.185

 93, 11.974,

100.185

■ 23, 11.974,
100.185

■ 23, 11.974,
100.185

■ 23, 15.250, 99.209

■ 23, 8.661, 101.161

■ 22, 18.448, 98.228

■ 24, 5.334, 102.117

■ 22, 21.508, 97.255

■ 24, 2.010, 103.040

■ 22, 24.324, 96.300

■ 25, 1.304, 284.023

■ 21, 26.503, 95.432

■ 25, 4.599, 284.881

■ 21, 28.500, 94.680

■ 26, 7.874, 285.732

■ 21, 29.285, 94.416

■ 26, 11.125,
286.553

■ 27, 14.351,

287.340

■ 27, 17.553,
288.093

Harmonies

Complementary

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



23, 11.974, 100.185



17, 12.590, 287.866

Rectangle

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



23, 11.974, 100.185



23, 11.974, 150.185



23, 11.974, 280.185



23, 11.974, 330.185

Sweetspot

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



23, 11.975, 100.189



32, 4.578, 102.542



17, 10.696, 10.537



15, 3.019, 102.518



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 11.975, 100.189



30, 17.871, 99.306



23, 14.229, 121.994



10, 1.777, 102.843



34, 41.942, 93.413



77, 78.442, 92.522

Inverse Universe

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



17, 12.590, 287.866



21, 19.103, 289.287



16, 15.082, 305.595



9, 1.799, 284.442



9, 55.477, 302.436



30, 111.163, 304.280

Previews

White Background



This preview shows how the CIELCh color 23, 11.974, 100.185 looks on a white background.

Color Contrast Check

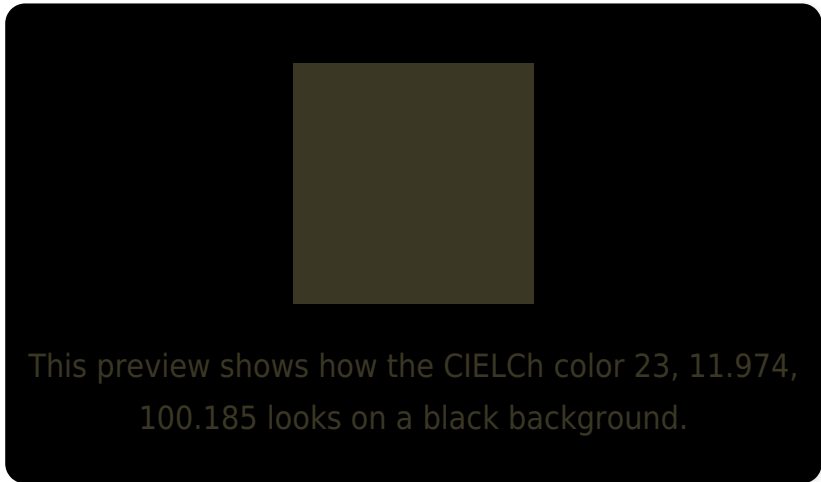
Large Text (above 18pt) WCAG AA ✓ Pass

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

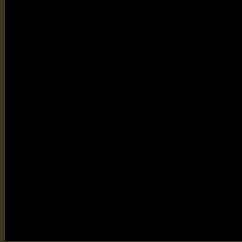
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 11.974, 100.185

Background



This preview shows how black text looks on a background with the CIELCh color 23, 11.974, 100.185.

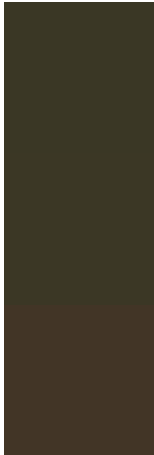


This preview shows how white text looks on a background with the CIELCh color 23, 11.974, 100.185.

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, 11.974, 100.185

Protanopia

23, 12.053, 97.775

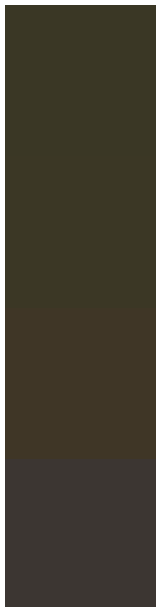
Deuteranopia

23, 12.092, 74.370



Tritanopia
23, 4.556, 344.571

Trichromacy



Original Color
23, 11.974, 100.185

Protanomaly
23, 12.053, 97.775

Deuteranomaly
23, 11.597, 84.404

Tritanomaly
23, 3.913, 62.389

Monochromacy



Original Color
23, 11.974, 100.185

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 4.104, 95.774

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 11.974, 100.185 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(58, 55, 37)` looks like.

```
.text, #text, p{  
    color:rgb(58, 55, 37)  
}
```

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(58, 55, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 55, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 11.974, 100.185 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(58, 55, 37) }
```

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

```
.border{ border-color:rgb(58, 55, 37) }
```

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

Here you see how a box with a 4 pixel rgb(58, 55, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 55, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 55, 37);  
box-shadow:4px 4px 4px 4px rgb(58, 55, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 11.974, 100.185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 55, 37) }
```

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

```
.background{ background-color: rgb(58, 55,  
37) }
```

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