

Converting Colors

CIELCh(23, 40.921, 139.431)

Have a look what the booklet for
CIELCh(23, 40.921, 139.431)
contains.

CIELCh(23, 40.954, 139.571)	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, 40.954, 139.571)

Conversions

Conversions Part 1

Format	Color
Hex	01410A
RGB	1, 65, 10
RGB Percent	0%, 25%, 4%
CMY	0.9964, 0.7454, 0.9611
CMYK	0.99, 0.00, 0.85, 0.75
HSL	128°, 97%, 13%
HSV	128°, 99%, 25%
XYZ	1.9522, 3.8003, 0.9156
YIQ	39.5940, -20.4890, -30.6730

Conversions

Conversions Part 2

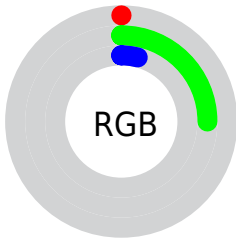
Format	Color
R_YB	1, 57, 65
Decimal	82186
CIE _{Lab}	23.00, -31.17, 26.56
CIE _{LCh}	23, 40.954, 139.571
Yxy	3.8003, 0.2928, 0.5699
Android (android.graphics.Color)	4278272266 (0xFF01410A)
YUV	39.5940, -14.5898, -33.8469
Hunter-Lab	19.4944, -16.2404, 10.8614

Details

The CIELCh color **23, 40.954, 139.571** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 38.928, 333.835**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 40.985, 139.841**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 41.336, 139.500**, and if you desaturate by 10%, it is **23, 38.051, 140.404**.

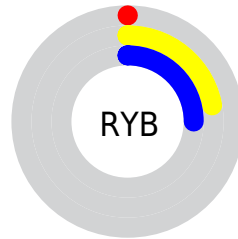
Distribution



Red (0%)

Green (25%)

Blue (4%)



Red (0%)

Yellow (22%)

Blue (25%)

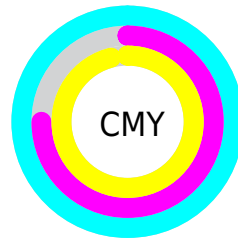


Cyan (99%)

Magenta (0%)

Yellow (85%)

Black (75%)



Cyan (100%)


Magenta (75%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 40.954, 139.571 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, 40.954, 139.571 by changing the saturation by 10% instead.

 23, 40.954,
139.571


 23, 40.954,
139.571

 100, 40.954,
139.571


 13, 40.954,
139.571


 43, 40.954,
139.571


 3, 40.954, 139.571

 53, 40.954,
139.571

 0, 40.954, 139.571

 63, 40.954,
139.571

 73, 40.954,
139.571

 83, 40.954,
139.571

 93, 40.954,

139.571

■ 23, 40.954,
139.571

■ 23, 40.954,
139.571

■ 23, 41.336,
139.500

■ 23, 38.051,
140.404

■ 23, 34.819,
141.653

■ 24, 31.134,
142.888

■ 24, 27.067,
144.028

■ 24, 22.713,
145.056

■ 25, 18.160,
145.970

■ 26, 13.484,
146.774

■ 26, 8.755, 147.482

■ 27, 4.026, 148.112

Harmonies

Complementary

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



23, 40.954, 139.571



12, 38.928, 333.835

Rectangle

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



23, 40.954, 139.571



23, 40.954, 189.571



23, 40.954, 319.571



23, 40.954, 9.571

Sweetspot

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



23, 40.954, 139.572



33, 17.551, 146.569



26, 35.962, 110.261



16, 12.077, 146.426



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 40.954, 139.572



30, 50.099, 138.727



23, 27.024, 160.144



12, 2.652, 148.115



35, 55.663, 138.406



78, 105.399, 137.308

Inverse Universe

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



12, 38.928, 333.835



17, 46.606, 334.178



11, 31.266, 7.521



12, 2.659, 328.954



21, 51.290, 334.310



52, 93.853, 334.857

Previews

White Background



This preview shows how the CIELCh color 23, 40.954, 139.571 looks on a white background.

Color Contrast Check

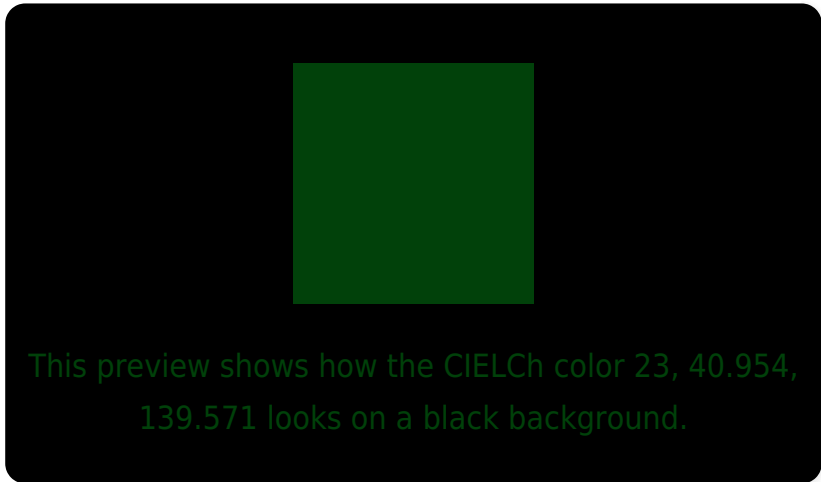
Large Text (above 18pt) WCAG AA ✓ Pass

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

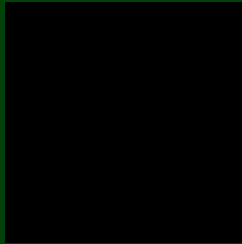
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 40.954, 139.571

Background



This preview shows how black text looks on a background with the CIELCh color 23, 40.954, 139.571.



This preview shows how white text looks on a background with the CIELCh color 23, 40.954, 139.571.

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](#).

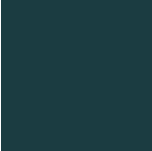
Dichromacy



Original Color
23, 40.954, 139.571

Protanopia
23, 29.410, 96.212

Deuteranopia
23, 25.036, 82.981



Tritanopia
23, 12.406, 213.210

Trichromacy



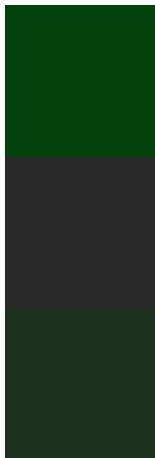
Original Color
23, 40.954, 139.571

Protanomaly
22, 31.815, 121.634

Deuteranomaly
22, 27.373, 117.577

Tritanomaly
23, 20.849, 163.037

Monochromacy



Original Color
23, 40.954, 139.571

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 17.508, 145.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 40.954, 139.571 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(1, 65, 10)` looks like.

```
.text, #text, p{  
    color:rgb(1, 65, 10)  
}
```

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(1, 65, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 65, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 40.954, 139.571 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(1, 65, 10) }
```

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

```
.border{ border-color:rgb(1, 65, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 65, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 65, 10); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 65, 10); box-shadow:4px  
4px 4px 4px rgb(1, 65, 10) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 40.954, 139.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 65, 10) }
```

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

```
.background{ background-color: rgb(1, 65,  
10) }
```

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