

Converting Colors

CIELCh(23, 41.899, 138.579)

Have a look what the booklet for
CIELCh(23, 41.899, 138.579)
contains.

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Color

CIELCh(23, 41.957, 138.580)

Conversions

Conversions Part 1

Format	Color
Hex	014107
RGB	1, 65, 7
RGB Percent	0%, 25%, 3%
CMY	0.9962, 0.7452, 0.9726
CMYK	0.98, 0.00, 0.89, 0.75
HSL	126°, 97%, 13%
HSV	126°, 98%, 25%
XYZ	1.9399, 3.8003, 0.8318
YIQ	39.2520, -19.5260, -31.6060

Conversions

Conversions Part 2

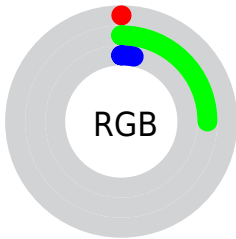
Format	Color
R_{YB}	1, 60, 65
Decimal	82183
CIE _{Lab}	23.00, -31.46, 27.76
CIE _{LCh}	23, 41.957, 138.580
Yxy	3.8003, 0.2952, 0.5783
Android (android.graphics.Color)	4278272263 (0xFF014107)
YUV	39.2520, -15.9002, -33.5470
Hunter-Lab	19.4944, -16.3530, 11.1163

Details

The CIELCh color **23, 41.957, 138.580** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 40.207, 331.781**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 42.351, 138.600**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 42.383, 138.502**, and if you desaturate by 10%, it is **23, 39.098, 139.271**.

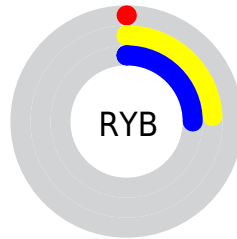
Distribution



Red (0%)

Green (25%)

Blue (3%)



Red (0%)

Yellow (24%)

Blue (25%)

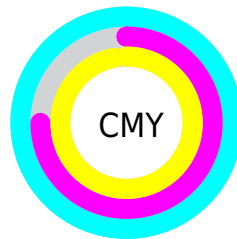


Cyan (98%)

Magenta (0%)

Yellow (89%)

Black (75%)



Cyan (100%)


Magenta (75%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 41.957, 138.580 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, 41.957, 138.580 by changing the saturation by 10% instead.

 23, 41.957,
138.580


 23, 41.957,
138.580

 100, 41.957,
138.580


 13, 41.957,
138.580


 43, 41.957,
138.580


 3, 41.957, 138.580

 53, 41.957,
138.580

 0, 41.957, 138.580

 63, 41.957,
138.580

 73, 41.957,
138.580

 83, 41.957,
138.580

 93, 41.957,

138.580

■ 23, 41.957,
138.580

■ 23, 41.957,
138.580

■ 23, 42.383,
138.502

■ 23, 39.098,
139.271

■ 23, 35.864,
140.415

■ 24, 32.113,
141.581

■ 24, 27.938,
142.678

■ 24, 23.447,
143.679

■ 25, 18.740,
144.573

■ 26, 13.904,
145.362

■ 26, 9.010, 146.054

■ 27, 4.117, 146.670

Harmonies

Complementary

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



23, 41.957, 138.580



12, 40.207, 331.781

Rectangle

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



23, 41.957, 138.580



23, 41.957, 188.580



23, 41.957, 318.580



23, 41.957, 8.580

Sweetspot

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



23, 41.957, 138.581



33, 18.146, 145.153



26, 35.775, 107.591



16, 12.486, 145.013



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, 41.957, 138.581



30, 51.170, 137.839



23, 28.512, 157.002



12, 2.741, 146.667



35, 56.759, 137.590



78, 106.924, 136.712

Inverse Universe

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



12, 40.207, 331.781



18, 48.208, 332.006



11, 31.322, 3.252



12, 2.747, 327.485



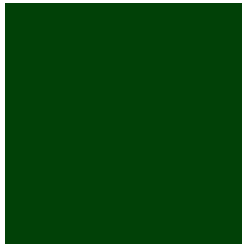
21, 53.086, 332.086



52, 97.389, 332.416

Previews

White Background



This preview shows how the CIELCh color 23, 41.957, 138.580 looks on a white background.

Color Contrast Check

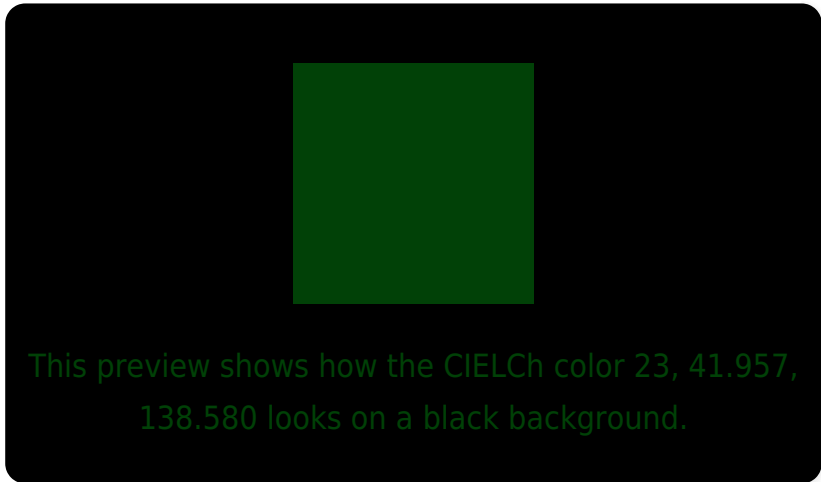
Large Text (above 18pt) WCAG AA ✓ Pass

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

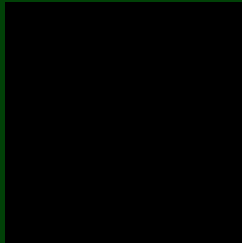
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 41.957, 138.580

Background



This preview shows how black text looks on a background with the CIELCh color 23, 41.957, 138.580.



This preview shows how white text looks on a background with the CIELCh color 23, 41.957, 138.580.

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](#).

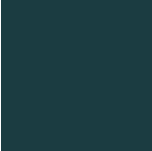
Dichromacy



Original Color
23, 41.957, 138.580

Protanopia
23, 31.428, 96.318

Deuteranopia
23, 26.053, 83.552



Tritanopia
23, 12.406, 213.210

Trichromacy



Original Color
23, 41.957, 138.580

Protanomaly
22, 33.339, 120.639

Deuteranomaly
22, 28.285, 116.997

Tritanomaly
23, 21.296, 161.646

Monochromacy



Original Color
23, 41.957, 138.580

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 18.100, 143.799

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 41.957, 138.580 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(1, 65, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 65, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 41.957, 138.580 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, 7) }
```

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

```
.border{ border-color:rgb(1, 65, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 65, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 65, 7); box-shadow:4px  
4px 4px 4px rgb(1, 65, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 41.957, 138.580 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, 7) }
```

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

```
.background{ background-color: rgb(1, 65,  
7) }
```

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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