

Converting Colors

CIELCh(23, 40.578, 130.406)

Have a look what the booklet for
CIELCh(23, 40.578, 130.406)
contains.

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Color

CIELCh(23, 40.826, 130.676)

Conversions

Conversions Part 1

Format	Color
Hex	174000
RGB	23, 64, 0
RGB Percent	9%, 25%, 0%
CMY	0.9113, 0.7505, 1.0000
CMYK	0.64, 0.00, 1.00, 0.75
HSL	99°, 100%, 12%
HSV	99°, 100%, 25%
XYZ	2.1540, 3.8003, 0.6077
YIQ	44.4450, -3.8920, -28.5960

Conversions

Conversions Part 2

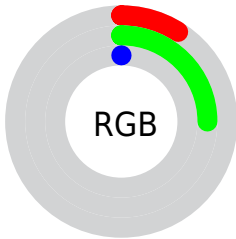
Format	Color
RYB	0, 64, 41
Decimal	1523712
CIELab	23.00, -26.61, 30.96
CIELCh	23, 40.826, 130.676
Yxy	3.8003, 0.3282, 0.5791
Android (android.graphics.Color)	4279713792 (0xFF174000)
YUV	44.4450, -21.9114, -18.8073
Hunter-Lab	19.4944, -14.3924, 11.7978

Details

The CIELCh color **23, 40.826, 130.676** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 44.387, 316.929**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 40.670, 130.758**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 40.673, 130.793**, and if you desaturate by 10%, it is **23, 37.664, 130.865**.

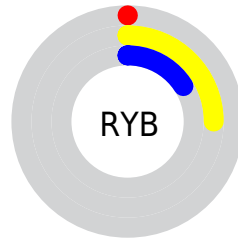
Distribution



Red (9%)

Green (25%)

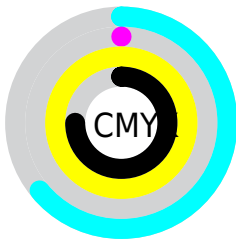
Blue (0%)



Red (0%)

Yellow (25%)

Blue (16%)

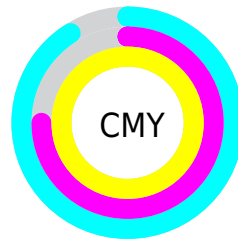


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (75%)



Cyan (91%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 40.826, 130.676 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, 40.826, 130.676 by changing the saturation by 10% instead.

 23, 40.826,
130.676


 23, 40.826,
130.676

 100, 40.826,
130.676

 13, 40.826,
130.676


 43, 40.826,
130.676


 3, 40.826, 130.676

 53, 40.826,
130.676

 0, 40.826, 130.676

 63, 40.826,
130.676

 73, 40.826,
130.676

 83, 40.826,
130.676

 93, 40.826,

130.676

■ 23, 40.826,
130.676

■ 23, 40.826,
130.676

■ 23, 40.673,
130.793

■ 23, 37.664,
130.865

■ 23, 34.548,
130.864

■ 24, 30.944,
131.080

■ 24, 26.950,
131.434

■ 24, 22.690,
131.859

■ 25, 18.259,
132.311

■ 25, 13.728,
132.762

■ 26, 9.150, 133.194

■ 26, 4.563, 133.603

Harmonies

Complementary

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



23, 40.826, 130.676



8, 44.387, 316.929

Rectangle

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



23, 40.826, 130.676



23, 40.826, 180.676



23, 40.826, 310.676



23, 40.826, 0.676

Sweetspot

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



23, 40.673, 130.793



33, 16.888, 132.707



18, 27.634, 75.143



15, 11.323, 132.642



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 40.673, 130.793



30, 49.051, 130.756



22, 40.861, 139.437



11, 2.450, 133.668



35, 54.402, 131.063



78, 102.679, 132.198

Inverse Universe

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



8, 44.387, 316.929



12, 52.608, 316.547



12, 39.000, 333.542



10, 2.470, 314.236



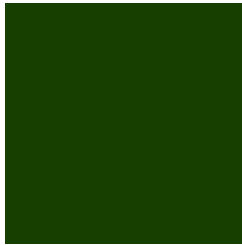
14, 58.223, 316.346



40, 109.042, 315.551

Previews

White Background



This preview shows how the CIELCh color 23, 40.826, 130.676 looks on a white background.

Color Contrast Check

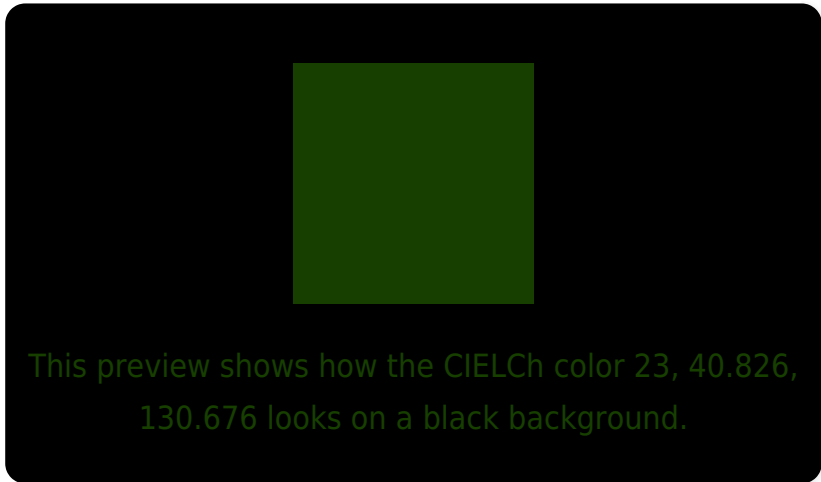
Large Text (above 18pt) WCAG AA ✓ Pass

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

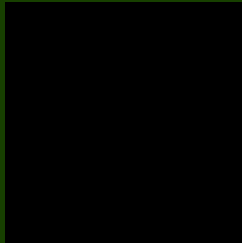
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 40.826, 130.676

Background



This preview shows how black text looks on a background with the CIELCh color 23, 40.826, 130.676.



This preview shows how white text looks on a background with the CIELCh color 23, 40.826, 130.676.

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, 40.826, 130.676

Protanopia

23, 31.743, 96.284

Deuteranopia

23, 26.551, 83.668



Tritanopia
23, 10.135, 217.228

Trichromacy



Original Color
23, 40.826, 130.676

Protanomaly
22, 33.297, 112.540

Deuteranomaly
22, 28.743, 108.150

Tritanomaly
23, 19.134, 152.479

Monochromacy



Original Color
23, 40.826, 130.676

Achromatopsia
18, 0.003, 296.813

Achromatomaly
19, 17.113, 132.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 40.826, 130.676 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(23, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(23, 64, 0)  
}
```

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(23, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 64, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 40.826, 130.676 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(23, 64, 0) }
```

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

```
.border{ border-color:rgb(23, 64, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 64, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 64, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(23, 64, 0); box-shadow:4px  
4px 4px 4px rgb(23, 64, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 40.826, 130.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 64, 0) }
```

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

```
.background{ background-color: rgb(23, 64,  
0) }
```

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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