

Converting Colors

CIELCh(23, 40.977, 135.698)

Have a look what the booklet for
CIELCh(23, 40.977, 135.698)
contains.

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Color

CIELCh(23, 40.738, 135.633)

Conversions

Conversions Part 1

Format	Color
Hex	0C4005
RGB	12, 64, 5
RGB Percent	5%, 25%, 2%
CMY	0.9511, 0.7476, 0.9788
CMYK	0.81, 0.00, 0.92, 0.75
HSL	113°, 85%, 14%
HSV	113°, 92%, 25%
XYZ	2.0412, 3.8003, 0.7809
YIQ	41.7260, -12.0530, -29.3730

Conversions

Conversions Part 2

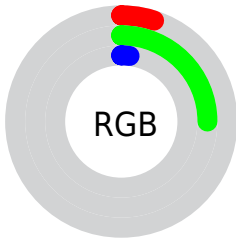
Format	Color
RYB	5, 64, 57
Decimal	802821
CIELab	23.00, -29.12, 28.49
CIELCh	23, 40.738, 135.633
Yxy	3.8003, 0.3082, 0.5739
Android (android.graphics.Color)	4278992901 (0xFF0C4005)
YUV	41.7260, -18.1059, -26.0697
Hunter-Lab	19.4944, -15.4247, 11.2712

Details

The CIELCh color **23, 40.738, 135.633** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 40.652, 324.006**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 40.995, 135.896**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 43.187, 135.078**, and if you desaturate by 10%, it is **23, 37.668, 136.148**.

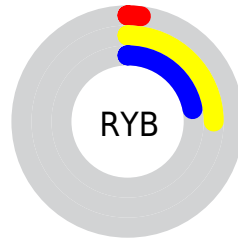
Distribution



Red (5%)

Green (25%)

Blue (2%)



Red (2%)

Yellow (25%)

Blue (22%)

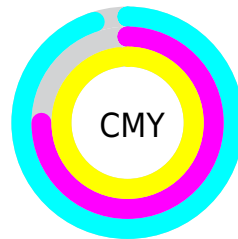


Cyan (81%)

Magenta (0%)

Yellow (92%)

Black (75%)



Cyan (95%)


Magenta (75%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 40.738, 135.633 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, 40.738, 135.633 by changing the saturation by 10% instead.

 23, 40.738,
135.633


 23, 40.738,
135.633

 100, 40.738,
135.633


 13, 40.738,
135.633


 43, 40.738,
135.633


 3, 40.738, 135.633

 53, 40.738,
135.633

 0, 40.738, 135.633

 63, 40.738,
135.633

 73, 40.738,
135.633

 83, 40.738,
135.633

 93, 40.738,

135.633

■ 23, 40.738,
135.633

■ 23, 40.738,
135.633

■ 23, 43.187,
135.078

■ 23, 37.668,
136.148

■ 23, 34.026,
136.786

■ 24, 29.875,
137.500

■ 24, 25.360,
138.224

■ 25, 20.602,
138.917

■ 25, 15.699,
139.557

■ 26, 10.726,
140.135

■ 26, 5.742, 140.653

■ 27, 0.790, 141.214

Harmonies

Complementary

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



23, 40.738, 135.633



12, 40.652, 324.006

Rectangle

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



23, 40.738, 135.633



23, 40.738, 185.633



23, 40.738, 315.633



23, 40.738, 5.633

Sweetspot

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



23, 40.738, 135.634



34, 16.763, 139.762



24, 30.377, 95.402



16, 11.395, 139.687



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, 40.738, 135.634



30, 52.594, 134.786



23, 32.877, 147.355



12, 2.814, 140.803



35, 58.119, 134.953



78, 107.977, 135.496

Inverse Universe

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



12, 40.652, 324.006



16, 51.996, 323.958



12, 31.908, 345.673



12, 2.824, 321.481



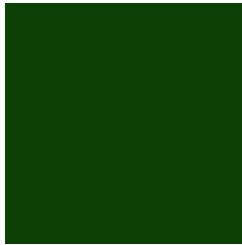
19, 57.343, 323.878



49, 105.862, 323.552

Previews

White Background



This preview shows how the CIELCh color 23, 40.738, 135.633 looks on a white background.

Color Contrast Check

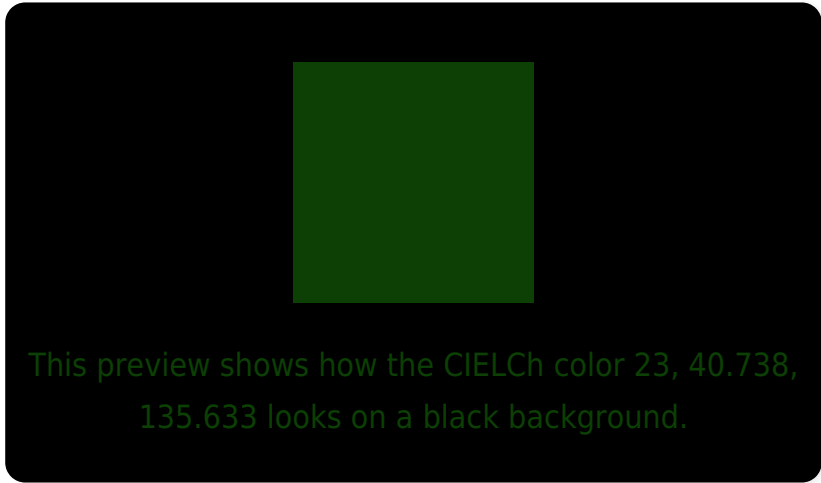
Large Text (above 18pt) WCAG AA ✓ Pass

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

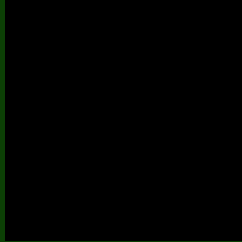
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 40.738, 135.633

Background



This preview shows how black text looks on a background with the CIELCh color 23, 40.738, 135.633.



This preview shows how white text looks on a background with the CIELCh color 23, 40.738, 135.633.

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, 40.738, 135.633

Protanopia

23, 31.743, 96.284

Deuteranopia

23, 25.582, 83.147



Tritanopia
23, 11.873, 214.014

Trichromacy



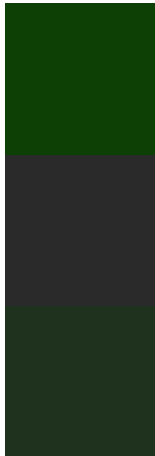
Original Color
23, 40.738, 135.633

Protanomaly
22, 32.943, 116.393

Deuteranomaly
22, 27.370, 113.106

Tritanomaly
23, 20.645, 158.363

Monochromacy



Original Color
23, 40.738, 135.633

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 16.967, 139.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 40.738, 135.633 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(12, 64, 5)` looks like.

```
.text, #text, p{  
    color:rgb(12, 64, 5)  
}
```

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(12, 64, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 64, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 40.738, 135.633 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(12, 64, 5) }
```

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

```
.border{ border-color:rgb(12, 64, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 64, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 64, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(12, 64, 5); box-shadow:4px  
4px 4px 4px rgb(12, 64, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 40.738, 135.633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 64, 5) }
```

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

```
.background{ background-color: rgb(12, 64,  
5) }
```

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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