

Converting Colors

CIELCh(23, 38.599, 139.382)

Have a look what the booklet for
CIELCh(23, 38.599, 139.382)
contains.

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Color

CIELCh(23, 38.439, 139.296)

Conversions

Conversions Part 1

Format	Color
Hex	09400D
RGB	9, 64, 13
RGB Percent	4%, 25%, 5%
CMY	0.9662, 0.7474, 0.9474
CMYK	0.87, 0.00, 0.79, 0.75
HSL	125°, 76%, 14%
HSV	125°, 87%, 25%
XYZ	2.0405, 3.8003, 1.0209
YIQ	41.7410, -16.4090, -27.5210

Conversions

Conversions Part 2

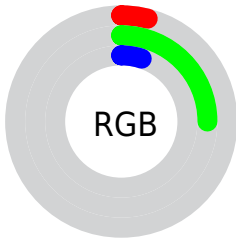
Format	Color
RYB	9, 60, 64
Decimal	606221
CIELab	23.00, -29.14, 25.07
CIELCh	23, 38.439, 139.296
Yxy	3.8003, 0.2974, 0.5538
Android (android.graphics.Color)	4278796301 (0xFF09400D)
YUV	41.7410, -14.1693, -28.7139
Hunter-Lab	19.4944, -15.4318, 10.5411

Details

The CIELCh color **23, 38.439, 139.296** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 37.034, 330.994**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 38.618, 139.225**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 41.323, 138.560**, and if you desaturate by 10%, it is **23, 35.129, 140.450**.

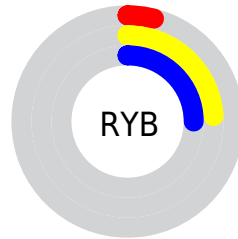
Distribution



Red (4%)

Green (25%)

Blue (5%)



Red (4%)

Yellow (24%)

Blue (25%)

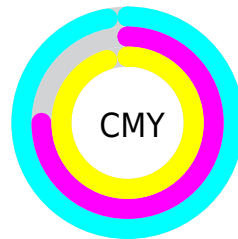


Cyan (87%)

Magenta (0%)

Yellow (79%)

Black (75%)



Cyan (97%)


Magenta (75%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 38.439, 139.296 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, 38.439, 139.296 by changing the saturation by 10% instead.

 23, 38.439,
139.296

 23, 38.439,
139.296

 100, 38.439,
139.296

 13, 38.439,
139.296


 43, 38.439,
139.296


 3, 38.439, 139.296

 53, 38.439,
139.296

 0, 38.439, 139.296

 63, 38.439,
139.296

 73, 38.439,
139.296

 83, 38.439,
139.296

 93, 38.439,

139.296

■ 23, 38.439,
139.296

■ 23, 38.439,
139.296

■ 23, 41.323,
138.560

■ 23, 35.129,
140.450

■ 23, 42.277,
138.386

■ 24, 31.304,
141.592

■ 24, 27.072,
142.663

■ 24, 22.543,
143.638

■ 25, 17.814,
144.507

■ 25, 12.970,
145.273

■ 26, 8.081, 145.946

■ 27, 3.203, 146.550

■ 28, 1.622, 326.938

Harmonies

Complementary

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



23, 38.439, 139.296



13, 37.034, 330.994

Rectangle

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



23, 38.439, 139.296



23, 38.439, 189.296



23, 38.439, 319.296



23, 38.439, 9.296

Sweetspot

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



23, 38.439, 139.297



33, 15.816, 145.236



26, 32.454, 107.938



16, 10.816, 145.136



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, 38.439, 139.297



30, 51.350, 137.692



23, 25.733, 158.705



12, 2.756, 146.435



35, 56.932, 137.462



78, 107.130, 136.633

Inverse Universe

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



13, 37.034, 330.994



18, 48.480, 331.665



12, 28.230, 0.514



12, 2.762, 327.250



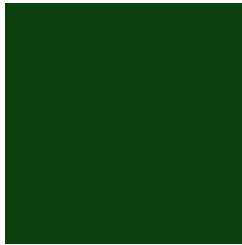
21, 53.391, 331.737



52, 97.993, 332.035

Previews

White Background



This preview shows how the CIELCh color 23, 38.439, 139.296 looks on a white background.

Color Contrast Check

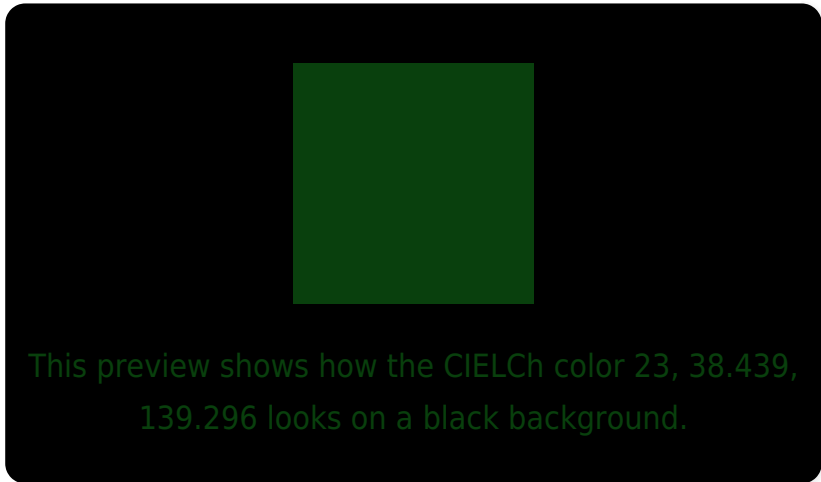
Large Text (above 18pt) WCAG AA ✓ Pass

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

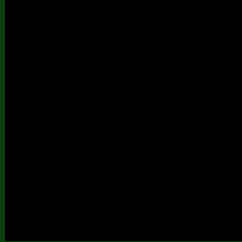
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 38.439, 139.296

Background



This preview shows how black text looks on a background with the CIELCh color 23, 38.439, 139.296.



This preview shows how white text looks on a background with the CIELCh color 23, 38.439, 139.296.

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, 38.314, 139.076

Protanopia

23, 27.295, 96.001

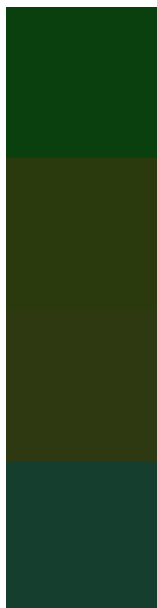
Deuteranopia

23, 23.496, 81.834



Tritanopia
23, 12.143, 213.599

Trichromacy



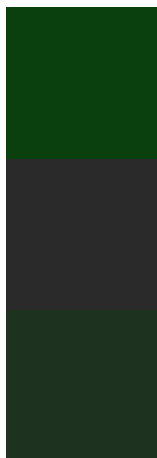
Original Color
23, 38.314, 139.076

Protanomaly
22, 29.166, 119.576

Deuteranomaly
22, 25.628, 116.424

Tritanomaly
23, 19.753, 163.458

Monochromacy



Original Color
23, 38.314, 139.076

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 15.563, 144.796

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 38.439, 139.296 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(9, 64, 13)` looks like.

```
.text, #text, p{  
    color:rgb(9, 64, 13)  
}
```

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(9, 64, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 64, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 38.439, 139.296 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(9, 64, 13) }
```

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

```
.border{ border-color:rgb(9, 64, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 64, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 64, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 64, 13); box-shadow:4px  
4px 4px 4px rgb(9, 64, 13) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 38.439, 139.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 64, 13) }
```

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

```
.background{ background-color: rgb(9, 64,  
13) }
```

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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