

Converting Colors

CIELCh(22, 23.437, 162.556)

Have a look what the booklet for
CIELCh(22, 23.437, 162.556)
contains.

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Color

CIELCh(22, 23.449, 162.703)

Conversions

Conversions Part 1

Format	Color
Hex	073D2A
RGB	7, 61, 42
RGB Percent	3%, 24%, 16%
CMY	0.9740, 0.7619, 0.8363
CMYK	0.89, 0.00, 0.31, 0.76
HSL	159°, 80%, 13%
HSV	159°, 89%, 24%
XYZ	2.1499, 3.5154, 2.7311
YIQ	42.6880, -26.0850, -17.3570

Conversions

Conversions Part 2

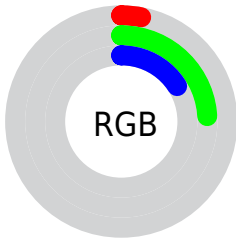
Format	Color
RYB	7, 40, 61
Decimal	474410
CIELab	22.00, -22.39, 6.97
CIELCh	22, 23.449, 162.703
Yxy	3.5154, 0.2560, 0.4187
Android (android.graphics.Color)	4278664490 (0xFF073D2A)
YUV	42.6880, -0.3392, -31.2984
Hunter-Lab	18.7494, -12.3439, 4.4881

Details

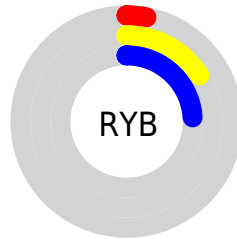
The CIELCh color **22, 23.449, 162.703** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 27.338, 6.126**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 23.624, 162.525**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 25.388, 161.432**, and if you desaturate by 10%, it is **22, 21.538, 164.199**.

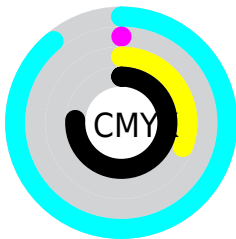
Distribution



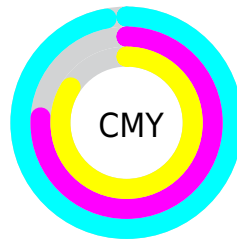
- Red (3%)
- Green (24%)
- Blue (16%)



- Red (3%)
- Yellow (16%)
- Blue (24%)



- Cyan (89%)
- Magenta (0%)
- Yellow (31%)
- Black (76%)





- Cyan (97%)
- Magenta (76%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 23.449, 162.703 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 22, 23.449, 162.703 by changing the saturation by 10% instead.

 22, 23.449,
162.703


 22, 23.449,
162.703

 100, 23.449,
162.703


 12, 23.449,
162.703


 42, 23.449,
162.703


 2, 23.449, 162.703

 52, 23.449,
162.703

 0, 23.449, 162.703

 62, 23.449,
162.703

 72, 23.449,
162.703

 82, 23.449,
162.703

 92, 23.449,

162.703

■ 22, 23.449,
162.703

■ 22, 23.449,
162.703

■ 22, 25.388,
161.432

■ 22, 21.538,
164.199

■ 22, 25.570,
161.326

■ 22, 19.415,
165.615

■ 23, 17.050,
166.898

■ 23, 14.473,
168.062

■ 24, 11.720,
169.126

■ 24, 8.832, 170.104

■ 24, 5.845, 171.014

■ 25, 2.795, 171.886

■ 26, 0.288, 351.909

Harmonies

Complementary

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



22, 23.449, 162.703



11, 27.338, 6.126

Rectangle

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



22, 23.449, 162.703



22, 23.449, 212.703



22, 23.449, 342.703



22, 23.449, 32.703

Sweetspot

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



22, 23.449, 162.702



32, 10.228, 170.183



22, 35.874, 130.653



15, 6.947, 170.081



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



22, 23.449, 162.702



29, 31.011, 160.253



20, 14.951, 216.410



11, 1.721, 171.943



35, 35.377, 159.651



79, 68.075, 157.750

Inverse Universe

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



11, 27.338, 6.126



14, 36.240, 11.001



11, 26.896, 33.333



10, 1.752, 353.129



18, 41.040, 12.442



47, 77.512, 17.119

Previews

White Background



This preview shows how the CIELCh color 22, 23.449, 162.703 looks on a white background.

Color Contrast Check

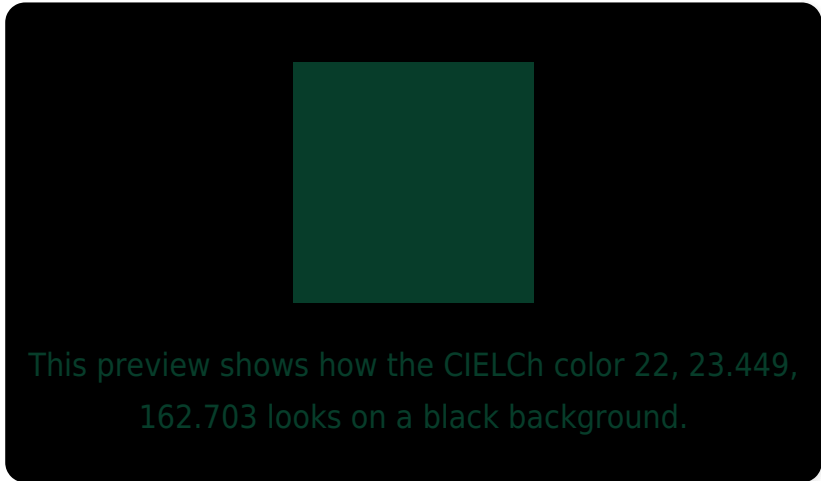
Large Text (above 18pt) WCAG AA ✓ Pass

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

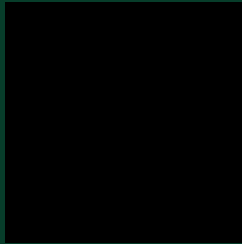
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 23.449, 162.703

Background



This preview shows how black text looks on a background with the CIELCh color 22, 23.449, 162.703.



This preview shows how white text looks on a background with the CIELCh color 22, 23.449, 162.703.

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

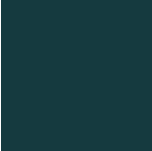
22, 23.449, 162.703

Protanopia

22, 10.182, 96.406

Deuteranopia

22, 6.859, 62.769



Tritanopia
22, 13.340, 211.989

Trichromacy



Original Color
22, 23.449, 162.703

Protanomaly
22, 13.948, 142.697

Deuteranomaly
21, 10.428, 147.129

Tritanomaly
22, 15.835, 186.772

Monochromacy



Original Color
22, 23.449, 162.703

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 10.215, 169.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 23.449, 162.703 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(7, 61, 42)` looks like.

```
.text, #text, p{  
    color:rgb(7, 61, 42)  
}
```

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(7, 61, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 61, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 23.449, 162.703 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(7, 61, 42) }
```

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

```
.border{ border-color:rgb(7, 61, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 61, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 61, 42); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 61, 42); box-shadow:4px  
4px 4px 4px rgb(7, 61, 42) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 23.449, 162.703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 61, 42) }
```

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

```
.background{ background-color: rgb(7, 61,  
42) }
```

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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