

Converting Colors

CIELCh(22, 26.311, 170.703)

Have a look what the booklet for
CIELCh(22, 26.311, 170.703)
contains.

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Color

CIELCh(22, 23.400, 168.253)

Conversions

Conversions Part 1

Format	Color
Hex	003D2D
RGB	0, 61, 45
RGB Percent	0%, 24%, 18%
CMY	1.0000, 0.7609, 0.8234
CMYK	1.00, 0.00, 0.26, 0.76
HSL	164°, 100%, 12%
HSV	164°, 100%, 24%
XYZ	2.1262, 3.5154, 3.0520
YIQ	40.9370, -31.2200, -17.9080

Conversions

Conversions Part 2

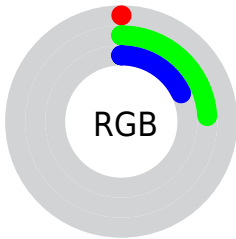
Format	Color
RYB	0, 35, 61
Decimal	15661
CIELab	22.00, -22.91, 4.76
CIELCh	22, 23.400, 168.253
Yxy	3.5154, 0.2446, 0.4044
Android (android.graphics.Color)	4278205741 (0xFF003D2D)
YUV	40.9370, 2.0031, -35.9017
Hunter-Lab	18.7494, -12.5694, 3.4736

Details

The CIELCh color **22, 23.400, 168.253** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 30.625, 14.386**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 23.158, 168.668**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 23.208, 168.047**, and if you desaturate by 10%, it is **22, 21.558, 169.227**.

Distribution



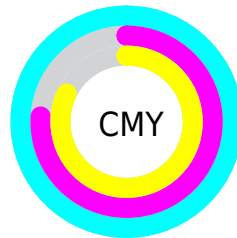
- Red (0%)
- Green (24%)
- Blue (18%)



- Red (0%)
- Yellow (14%)
- Blue (24%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (76%)





- Cyan (100%)
- Magenta (76%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 23.400, 168.253 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, 23.400, 168.253 by changing the saturation by 10% instead.

 22, 23.400,
168.253


 22, 23.400,
168.253

 100, 23.400,
168.253


 12, 23.400,
168.253


 42, 23.400,
168.253


 2, 23.400, 168.253

 52, 23.400,
168.253

 0, 23.400, 168.253

 62, 23.400,
168.253

 72, 23.400,
168.253

 82, 23.400,
168.253

 92, 23.400,

168.253

■ 22, 23.400,
168.253

■ 22, 23.400,
168.253

■ 22, 23.208,
168.047

■ 22, 21.558,
169.227

■ 22, 19.946,
170.602

■ 23, 18.130,
171.923

■ 23, 16.057,
173.128

■ 23, 13.753,
174.232

■ 24, 11.252,
175.253

■ 24, 8.590, 176.205

■ 25, 5.804, 177.102

■ 25, 2.929, 177.972

Harmonies

Complementary

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



22, 23.400, 168.253



9, 30.625, 14.386

Rectangle

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



22, 23.400, 168.253



22, 23.400, 218.253



22, 23.400, 348.253



22, 23.400, 38.253

Sweetspot

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



22, 23.208, 168.047



32, 10.645, 176.080



22, 40.170, 132.948



15, 7.310, 175.930



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, 23.208, 168.047



29, 27.952, 167.094



17, 15.845, 236.458



11, 1.633, 178.112



35, 31.814, 166.547



79, 60.780, 164.803

Inverse Universe

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



9, 30.625, 14.386



14, 37.072, 18.711



11, 28.130, 38.530



10, 1.673, 359.298



18, 42.208, 20.373



47, 80.957, 25.259

Previews

White Background



This preview shows how the CIELCh color 22, 23.400, 168.253 looks on a white background.

Color Contrast Check

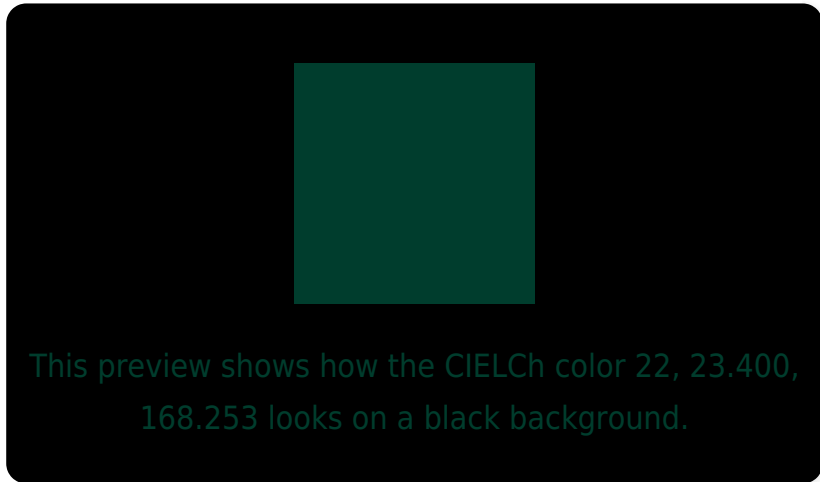
Large Text (above 18pt) WCAG AA ✓ Pass

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

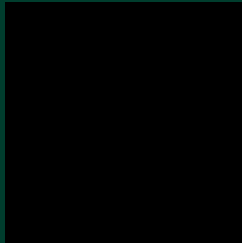
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 22, 23.400, 168.253

Background



This preview shows how black text looks on a background with the CIELCh color 22, 23.400, 168.253.



This preview shows how white text looks on a background with the CIELCh color 22, 23.400, 168.253.

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, 23.243, 167.967

Protanopia
22, 8.242, 94.327

Deuteranopia
22, 5.582, 48.646



Tritanopia
22, 13.816, 208.455

Trichromacy



Original Color
22, 23.243, 167.967

Protanomaly
21, 13.208, 151.813

Deuteranomaly
21, 9.548, 158.305

Tritanomaly
22, 16.658, 187.174

Monochromacy



Original Color
22, 23.243, 167.967

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 10.552, 174.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 23.400, 168.253 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(0, 61, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 61, 45)  
}
```

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(0, 61, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 61, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 23.400, 168.253 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(0, 61, 45) }
```

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

```
.border{ border-color:rgb(0, 61, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 61, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 61, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 61, 45); box-shadow:4px  
4px 4px 4px rgb(0, 61, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 23.400, 168.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 61, 45) }
```

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

```
.background{ background-color: rgb(0, 61,  
45) }
```

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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