

Converting Colors

CIELCh(18, 68.308, 182.182)

Have a look what the booklet for
CIELCh(18, 68.308, 182.182)
contains.

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Color

CIELCh(22, 22.405, 170.767)

Conversions

Conversions Part 1

Format	Color
Hex	003D2F
RGB	0, 61, 47
RGB Percent	0%, 24%, 18%
CMY	1.0000, 0.7617, 0.8165
CMYK	1.00, 0.00, 0.23, 0.76
HSL	166°, 100%, 12%
HSV	166°, 100%, 24%
XYZ	2.1624, 3.5154, 3.2316
YIQ	41.1650, -31.8620, -17.2860

Conversions

Conversions Part 2

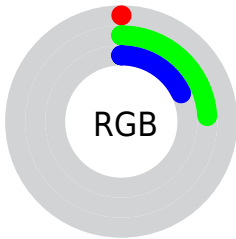
Format	Color
RYB	0, 34, 61
Decimal	15663
CIELab	22.00, -22.11, 3.59
CIELCh	22, 22.405, 170.767
Yxy	3.5154, 0.2427, 0.3946
Android (android.graphics.Color)	4278205743 (0xFF003D2F)
YUV	41.1650, 2.8767, -36.1017
Hunter-Lab	18.7494, -12.2247, 2.9057

Details

The CIELCh color **22, 22.405, 170.767** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 30.688, 16.076**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 22.200, 170.953**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 22.364, 170.725**, and if you desaturate by 10%, it is **22, 20.817, 171.854**.

Distribution



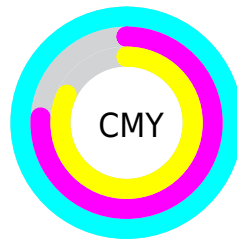
- Red (0%)
- Green (24%)
- Blue (18%)



- Red (0%)
- Yellow (13%)
- Blue (24%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (76%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 22.405, 170.767 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, 22.405, 170.767 by changing the saturation by 10% instead.

 22, 22.405,
170.767


 22, 22.405,
170.767

 100, 22.405,
170.767


 12, 22.405,
170.767


 42, 22.405,
170.767


 2, 22.405, 170.767

 52, 22.405,
170.767

 0, 22.405, 170.767

 62, 22.405,
170.767

 72, 22.405,
170.767

 82, 22.405,
170.767

 92, 22.405,

170.767

■ 22, 22.405,
170.767

■ 22, 22.405,
170.767

■ 22, 22.364,
170.725

■ 22, 20.817,
171.854

■ 22, 19.307,
173.160

■ 23, 17.591,
174.417

■ 23, 15.615,
175.568

■ 23, 13.403,
176.628

■ 24, 10.986,
177.613

■ 24, 8.402, 178.537

■ 25, 5.687, 179.414

■ 25, 2.875, 180.271

Harmonies

Complementary

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



22, 22.405, 170.767



9, 30.688, 16.076

Rectangle

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



22, 22.405, 170.767



22, 22.405, 220.767



22, 22.405, 350.767



22, 22.405, 40.767

Sweetspot

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



22, 22.364, 170.725



32, 10.436, 178.415



22, 40.373, 133.600



15, 7.164, 178.268



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, 22.364, 170.725



29, 26.949, 169.815



16, 16.154, 242.705



11, 1.607, 180.409



35, 30.644, 169.298



79, 58.370, 167.645

Inverse Universe

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



9, 30.688, 16.076



14, 37.465, 20.994



12, 27.567, 40.755



10, 1.651, 1.577



18, 42.822, 22.992



47, 82.531, 27.837

Previews

White Background



This preview shows how the CIELCh color 22, 22.405, 170.767 looks on a white background.

Color Contrast Check

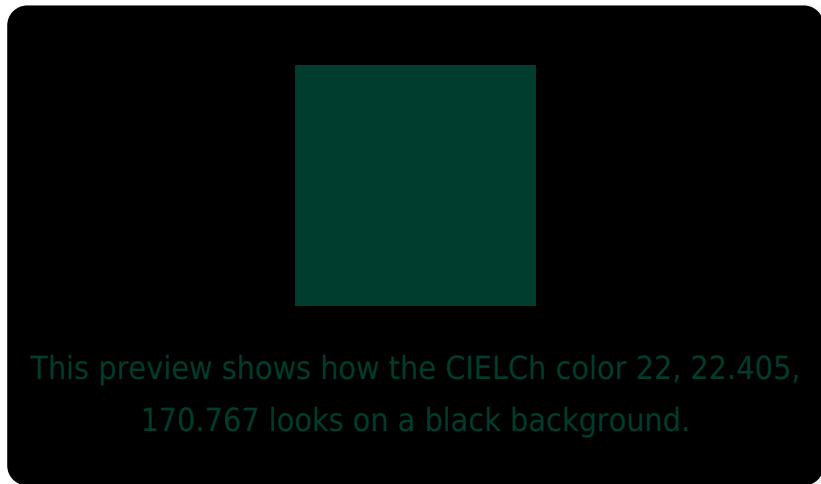
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.405, 170.767

Background



This preview shows how black text looks on a background with the CIELCh color 22, 22.405, 170.767.



This preview shows how white text looks on a background with the CIELCh color 22, 22.405, 170.767.

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, 22.405, 170.767

Protanopia
22, 6.830, 96.147

Deuteranopia
22, 4.537, 37.228



Tritanopia
22, 14.033, 208.244

Trichromacy



Original Color
22, 22.405, 170.767

Protanomaly
22, 12.221, 155.980

Deuteranomaly
21, 9.026, 166.199

Tritanomaly
22, 16.589, 189.512

Monochromacy



Original Color
22, 22.405, 170.767

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 10.216, 177.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 22.405, 170.767 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 61, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 61, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 22.405, 170.767 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, 47) }
```

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

```
.border{ border-color:rgb(0, 61, 47) }
```

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, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 61, 47); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 61, 47); box-shadow:4px  
4px 4px 4px rgb(0, 61, 47) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 22.405, 170.767 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, 47) }
```

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

```
.background{ background-color: rgb(0, 61,  
47) }
```

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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