

Converting Colors

CIELCh(19, 49.136, 180.104)

Have a look what the booklet for
CIELCh(19, 49.136, 180.104)
contains.

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Color

CIELCh(22, 22.660, 169.060)

Conversions

Conversions Part 1

Format	Color
Hex	013D2E
RGB	1, 61, 46
RGB Percent	0%, 24%, 18%
CMY	0.9965, 0.7616, 0.8206
CMYK	0.99, 0.00, 0.25, 0.76
HSL	165°, 97%, 12%
HSV	165°, 99%, 24%
XYZ	2.1563, 3.5154, 3.1224
YIQ	41.3500, -30.9450, -17.3850

Conversions

Conversions Part 2

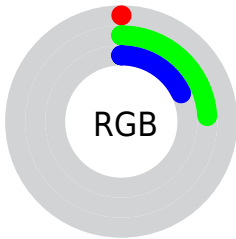
Format	Color
R_{YB}	1, 35, 61
Decimal	81198
CIE Lab	22.00, -22.25, 4.30
CIE LCh	22, 22.660, 169.060
Yxy	3.5154, 0.2452, 0.3997
Android (android.graphics.Color)	4278271278 (0xFF013D2E)
YUV	41.3500, 2.2925, -35.3869
Hunter-Lab	18.7494, -12.2828, 3.2510

Details

The CIELCh color **22, 22.660, 169.060** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 30.171, 14.902**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 22.545, 169.638**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 22.900, 168.901**, and if you desaturate by 10%, it is **22, 21.053, 170.251**.

Distribution



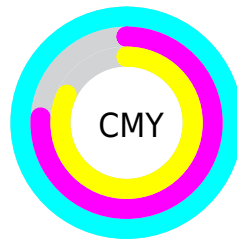
- Red (0%)
- Green (24%)
- Blue (18%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (25%)
- Black (76%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 22.660, 169.060 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, 22.660, 169.060 by changing the saturation by 10% instead.

 22, 22.660,
169.060


 22, 22.660,
169.060

 100, 22.660,
169.060


 12, 22.660,
169.060


 42, 22.660,
169.060


 2, 22.660, 169.060

 52, 22.660,
169.060

 0, 22.660, 169.060

 62, 22.660,
169.060

 72, 22.660,
169.060

 82, 22.660,
169.060

 92, 22.660,

169.060

■ 22, 22.660,
169.060

■ 22, 22.660,
169.060

■ 22, 22.900,
168.901

■ 22, 21.053,
170.251

■ 22, 19.462,
171.615

■ 23, 17.643,
172.898

■ 23, 15.568,
174.071

■ 23, 13.266,
175.149

■ 24, 10.770,
176.148

■ 24, 8.117, 177.083

■ 25, 5.343, 177.968

■ 25, 2.483, 178.838

Harmonies

Complementary

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



22, 22.660, 169.060



9, 30.171, 14.902

Rectangle

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



22, 22.660, 169.060



22, 22.660, 219.060



22, 22.660, 349.060



22, 22.660, 39.060

Sweetspot

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



22, 22.660, 169.059



32, 10.575, 176.825



22, 39.655, 133.000



15, 7.261, 176.675



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, 22.660, 169.059



29, 27.624, 167.952



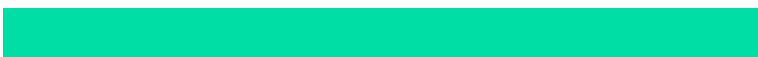
17, 15.667, 236.156



11, 1.624, 178.846



35, 31.431, 167.414



79, 59.992, 165.697

Inverse Universe

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



9, 30.171, 14.902



14, 37.197, 19.480



11, 27.706, 38.610



10, 1.666, 0.028



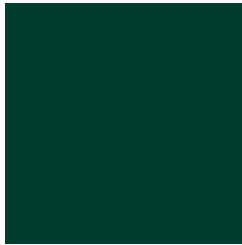
18, 42.395, 21.230



47, 81.448, 26.110

Previews

White Background



This preview shows how the CIELCh color 22, 22.660, 169.060 looks on a white background.

Color Contrast Check

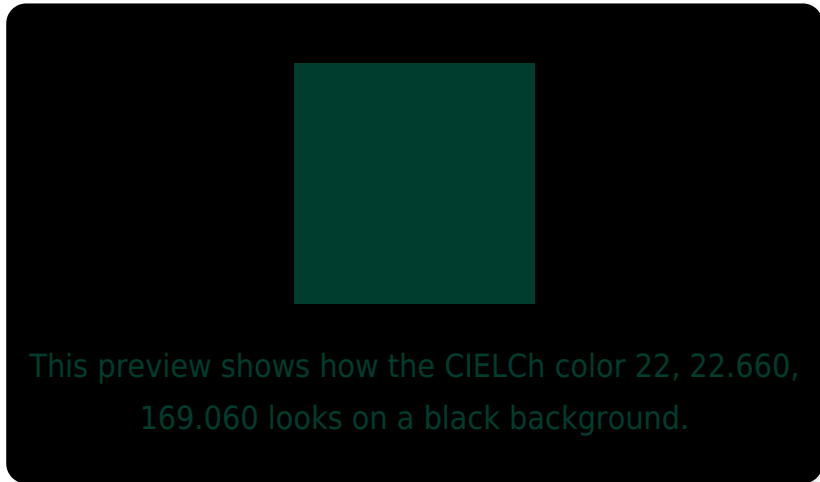
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.660, 169.060

Background



This preview shows how black text looks on a background with the CIELCh color 22, 22.660, 169.060.



This preview shows how white text looks on a background with the CIELCh color 22, 22.660, 169.060.

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](#).

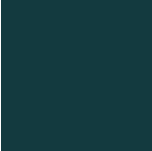
Dichromacy



Original Color
22, 22.656, 169.172

Protanopia
22, 7.598, 93.343

Deuteranopia
22, 4.805, 44.688



Tritanopia
22, 13.779, 211.443

Trichromacy



Original Color
22, 22.656, 169.172

Protanomaly
22, 12.403, 152.583

Deuteranomaly
21, 9.098, 161.431

Tritanomaly
22, 16.134, 191.773

Monochromacy



Original Color
22, 22.656, 169.172

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, 22.660, 169.060 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(1, 61, 46)` looks like.

```
.text, #text, p{  
    color:rgb(1, 61, 46)  
}
```

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(1, 61, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 61, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 22.660, 169.060 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(1, 61, 46) }
```

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

```
.border{ border-color:rgb(1, 61, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 61, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 61, 46); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 61, 46); box-shadow:4px  
4px 4px 4px rgb(1, 61, 46) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 22.660, 169.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 61, 46) }
```

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

```
.background{ background-color: rgb(1, 61,  
46) }
```

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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