

Converting Colors

CIELCh(22, 22.679, 168.405)

Have a look what the booklet for
CIELCh(22, 22.679, 168.405)
contains.

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Color

CIELCh(22, 22.918, 167.610)

Conversions

Conversions Part 1

Format	Color
Hex	023D2D
RGB	2, 61, 45
RGB Percent	1%, 24%, 18%
CMY	0.9931, 0.7616, 0.8243
CMYK	0.97, 0.00, 0.26, 0.76
HSL	164°, 94%, 12%
HSV	164°, 97%, 24%
XYZ	2.1501, 3.5154, 3.0289
YIQ	41.5350, -30.0280, -17.4840

Conversions

Conversions Part 2

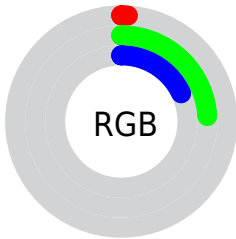
Format	Color
R_{YB}	2, 36, 61
Decimal	146733
CIE _{Lab}	22.00, -22.38, 4.92
CIE _{LCh}	22, 22.918, 167.610
Y _{xy}	3.5154, 0.2473, 0.4043
Android (android.graphics.Color)	4278336813 (0xFF023D2D)
YUV	41.5350, 1.7082, -34.6722
Hunter-Lab	18.7494, -12.3420, 3.5465

Details

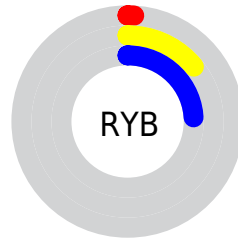
The CIELCh color **22, 22.918, 167.610** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 29.683, 13.642**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 22.637, 168.043**, and **3, 7.124, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **22, 23.411, 167.286**, and if you desaturate by 10%, it is **22, 21.255, 168.859**.

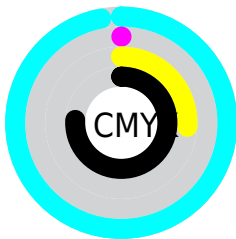
Distribution



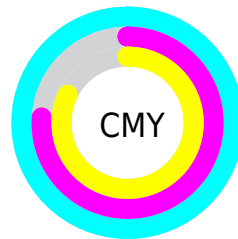
- Red (1%)
- Green (24%)
- Blue (18%)



- Red (1%)
- Yellow (14%)
- Blue (24%)



- Cyan (97%)
- Magenta (0%)
- Yellow (26%)
- Black (76%)





- Cyan (99%)
- Magenta (76%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 22.918, 167.610 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, 22.918, 167.610 by changing the saturation by 10% instead.

 22, 22.918,
167.610


 22, 22.918,
167.610

 100, 22.918,
167.610


 12, 22.918,
167.610

 42, 22.918,
167.610


 2, 22.918, 167.610

 52, 22.918,
167.610

 0, 22.918, 167.610

 62, 22.918,
167.610

 72, 22.918,
167.610

 82, 22.918,
167.610

 92, 22.918,

167.610

■ 22, 22.918,
167.610

■ 22, 22.918,
167.610

■ 22, 23.411,
167.286

■ 22, 21.255,
168.859

■ 22, 19.583,
170.264

■ 23, 17.664,
171.564

■ 23, 15.497,
172.750

■ 23, 13.111,
173.839

■ 24, 10.540,
174.845

■ 24, 7.822, 175.785

■ 25, 4.994, 176.673

■ 25, 2.090, 177.555

Harmonies

Complementary

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



22, 22.918, 167.610



10, 29.683, 13.642

Rectangle

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



22, 22.918, 167.610



22, 22.918, 217.610



22, 22.918, 347.610



22, 22.918, 37.610

Sweetspot

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



22, 22.918, 167.609



32, 10.370, 175.490



22, 39.090, 132.679



15, 7.162, 175.327



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, 22.918, 167.609



29, 28.263, 166.307



18, 15.437, 232.737



11, 1.641, 177.432



35, 32.177, 165.752



79, 61.526, 163.985

Inverse Universe

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



10, 29.683, 13.642



14, 36.958, 17.963



11, 27.621, 37.655



10, 1.681, 358.621



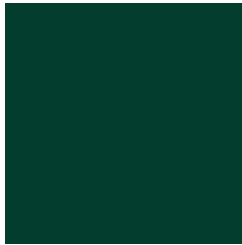
18, 42.041, 19.562



47, 80.513, 24.448

Previews

White Background



This preview shows how the CIELCh color 22, 22.918, 167.610 looks on a white background.

Color Contrast Check

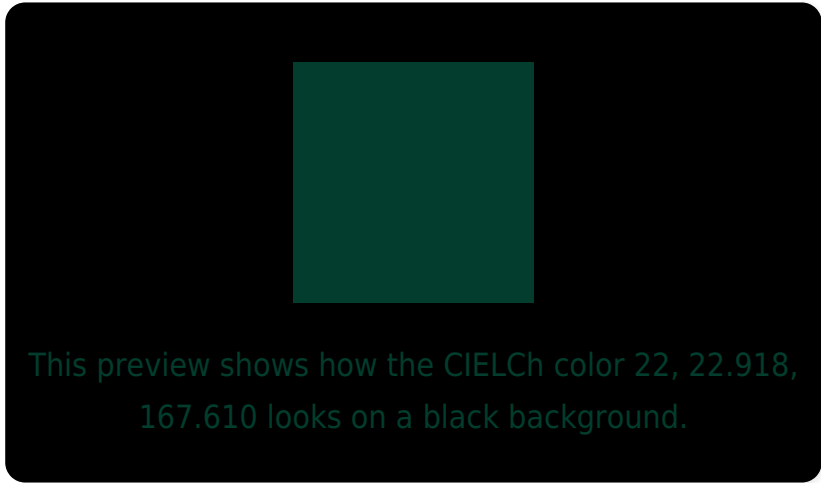
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.918, 167.610

Background



This preview shows how black text looks on a background with the CIELCh color 22, 22.918, 167.610.



This preview shows how white text looks on a background with the CIELCh color 22, 22.918, 167.610.

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, 22.918, 167.610

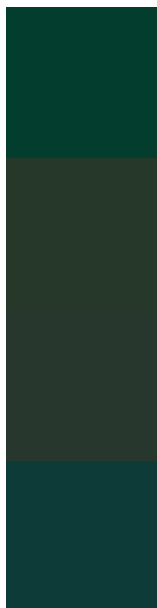
Protanopia
22, 8.242, 94.327

Deuteranopia
22, 5.148, 51.237



Tritanopia
22, 13.563, 211.707

Trichromacy



Original Color
22, 22.918, 167.610

Protanomaly
22, 12.910, 150.572

Deuteranomaly
21, 9.548, 158.305

Tritanomaly
22, 16.179, 189.353

Monochromacy



Original Color
22, 22.918, 167.610

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 10.209, 173.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 22.918, 167.610 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(2, 61, 45)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 61, 45) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 22, 22.918, 167.610 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(2, 61, 45) }
```

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

```
.border{ border-color:rgb(2, 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(2, 61, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 61, 45); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 61, 45); box-shadow:4px  
4px 4px 4px rgb(2, 61, 45) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 22.918, 167.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 61, 45) }
```

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

```
.background{ background-color: rgb(2, 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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