

Converting Colors

CIELCh(22, 21.068, 173.815)

Have a look what the booklet for
CIELCh(22, 21.068, 173.815)
contains.

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Color

CIELCh(22, 20.720, 174.827)

Conversions

Conversions Part 1

Format	Color
Hex	023C31
RGB	2, 60, 49
RGB Percent	1%, 24%, 19%
CMY	0.9902, 0.7631, 0.8063
CMYK	0.96, 0.00, 0.18, 0.76
HSL	169°, 92%, 12%
HSV	169°, 96%, 24%
XYZ	2.2309, 3.5154, 3.5095
YIQ	41.4040, -31.0370, -15.7170

Conversions

Conversions Part 2

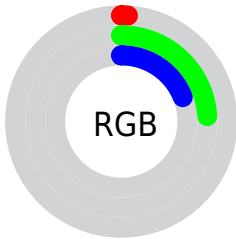
Format	Color
RYB	2, 34, 60
Decimal	146481
CIELab	22.00, -20.64, 1.87
CIELCh	22, 20.720, 174.827
Yxy	3.5154, 0.2410, 0.3798
Android (android.graphics.Color)	4278336561 (0xFF023C31)
YUV	41.4040, 3.7448, -34.5573
Hunter-Lab	18.7494, -11.5732, 2.0268

Details

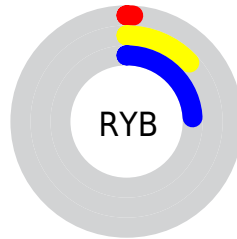
The CIELCh color **22, 20.720, 174.827** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 29.545, 18.146**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 20.699, 174.569**, and **2, 5.317, 149.342** is the 20% darker color. If you saturate the color by 10%, you get **22, 21.311, 174.416**, and if you desaturate by 10%, it is **22, 19.324, 175.933**.

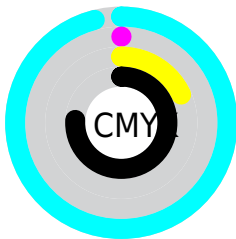
Distribution



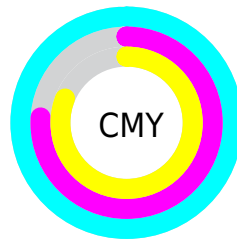
- Red (1%)
- Green (24%)
- Blue (19%)



- Red (1%)
- Yellow (13%)
- Blue (24%)



- Cyan (96%)
- Magenta (0%)
- Yellow (18%)
- Black (76%)





- Cyan (99%)
- Magenta (76%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 20.720, 174.827 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, 20.720, 174.827 by changing the saturation by 10% instead.

 22, 20.720,
174.827


 22, 20.720,
174.827

 100, 20.720,
174.827


 12, 20.720,
174.827


 42, 20.720,
174.827


 2, 20.720, 174.827

 52, 20.720,
174.827

 0, 20.720, 174.827

 62, 20.720,
174.827

 72, 20.720,
174.827

 82, 20.720,
174.827

 92, 20.720,

174.827

■ 22, 20.720,
174.827

■ 22, 20.720,
174.827

■ 22, 21.311,
174.416

■ 22, 19.324,
175.933

■ 22, 17.887,
177.135

■ 23, 16.185,
178.247

■ 23, 14.226,
179.275

■ 23, 12.037,
180.233

■ 24, 9.650, 181.135

■ 24, 7.101, 181.993

■ 25, 4.425, 182.822

■ 25, 1.657, 183.682

Harmonies

Complementary

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



22, 20.720, 174.827



9, 29.545, 18.146

Rectangle

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



22, 20.720, 174.827



22, 20.720, 224.827



22, 20.720, 354.827



22, 20.720, 44.827

Sweetspot

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



22, 20.720, 174.826



32, 9.875, 181.614



21, 39.291, 134.374



15, 6.814, 181.464



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, 20.720, 174.826



29, 25.731, 173.575



16, 16.092, 247.735



11, 1.578, 183.445



35, 29.223, 173.108



79, 55.436, 171.606

Inverse Universe

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



9, 29.545, 18.146



14, 37.978, 23.512



12, 26.010, 43.739



10, 1.626, 4.575



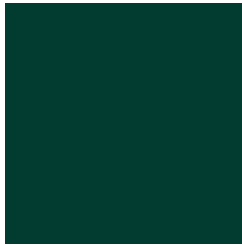
18, 43.667, 25.978



47, 84.728, 30.871

Previews

White Background



This preview shows how the CIELCh color 22, 20.720, 174.827 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



This preview shows how the CIELCh color 22, 20.720, 174.827 looks on a 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, 20.720, 174.827

Background



This preview shows how black text looks on a background with the CIELCh color 22, 20.720, 174.827.



This preview shows how white text looks on a background with the CIELCh color 22, 20.720, 174.827.

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, 20.720, 174.827

Protanopia

22, 4.890, 91.808

Deuteranopia

22, 3.794, 20.109



Tritanopia
22, 13.988, 211.194

Trichromacy



Original Color
22, 20.720, 174.827

Protanomaly
22, 10.523, 162.383

Deuteranomaly
21, 7.620, 177.140

Tritanomaly
22, 15.935, 194.206

Monochromacy



Original Color
22, 20.720, 174.827

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 9.550, 180.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 20.720, 174.827 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, 60, 49)` looks like.

```
.text, #text, p{  
    color:rgb(2, 60, 49)  
}
```

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, 60, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 60, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 20.720, 174.827 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, 60, 49) }
```

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

```
.border{ border-color:rgb(2, 60, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 60, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 60, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 60, 49); box-shadow:4px  
4px 4px 4px rgb(2, 60, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 20.720, 174.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 60, 49) }
```

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

```
.background{ background-color: rgb(2, 60,  
49) }
```

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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