

Converting Colors

CIELCh(22, 20.830, 177.295)

Have a look what the booklet for
CIELCh(22, 20.830, 177.295)
contains.

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Color

CIELCh(22, 20.854, 176.983)

Conversions

Conversions Part 1

Format	Color
Hex	003D33
RGB	0, 61, 51
RGB Percent	0%, 24%, 20%
CMY	1.0000, 0.7627, 0.8019
CMYK	1.00, 0.00, 0.16, 0.76
HSL	170°, 100%, 12%
HSV	170°, 100%, 24%
XYZ	2.2220, 3.5154, 3.6385
YIQ	41.6210, -33.1460, -16.0420

Conversions

Conversions Part 2

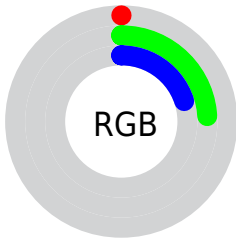
Format	Color
RYB	0, 33, 61
Decimal	15667
CIELab	22.00, -20.83, 1.10
CIELCh	22, 20.854, 176.983
Yxy	3.5154, 0.2370, 0.3749
Android (android.graphics.Color)	4278205747 (0xFF003D33)
YUV	41.6210, 4.6238, -36.5016
Hunter-Lab	18.7494, -11.6574, 1.6188

Details

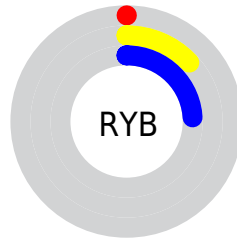
The CIELCh color **22, 20.854, 176.983** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 30.883, 19.073**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **42, 20.927, 176.611**, and **3, 6.188, 155.015** is the 20% darker color. If you saturate the color by 10%, you get **22, 20.759, 176.910**, and if you desaturate by 10%, it is **22, 19.419, 177.883**.

Distribution



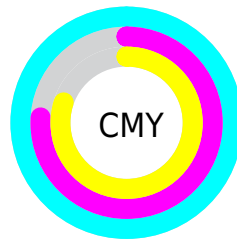
- Red (0%)
- Green (24%)
- Blue (20%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (76%)





- Cyan (100%)
- Magenta (76%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 22, 20.854, 176.983 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, 20.854, 176.983 by changing the saturation by 10% instead.

 22, 20.854,
176.983


 22, 20.854,
176.983

 100, 20.854,
176.983


 12, 20.854,
176.983


 42, 20.854,
176.983


 2, 20.854, 176.983

 52, 20.854,
176.983

 0, 20.854, 176.983

 62, 20.854,
176.983

 72, 20.854,
176.983

 82, 20.854,
176.983

 92, 20.854,

176.983

■ 22, 20.854,
176.983

■ 22, 20.854,
176.983

■ 22, 20.759,
176.910

■ 22, 19.419,
177.883

■ 22, 18.110,
178.991

■ 23, 16.591,
180.061

■ 23, 14.801,
181.052

■ 23, 12.764,
181.979

■ 24, 10.508,
182.855

■ 24, 8.069, 183.690

■ 24, 5.482, 184.497

■ 25, 2.781, 185.301

Harmonies

Complementary

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



22, 20.854, 176.983



9, 30.883, 19.073

Rectangle

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



22, 20.854, 176.983



22, 20.854, 226.983



22, 20.854, 356.983



22, 20.854, 46.983

Sweetspot

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



22, 20.759, 176.910



32, 10.055, 183.576



21, 40.767, 134.716



15, 6.898, 183.443



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, 20.759, 176.910



29, 25.001, 176.146



15, 17.297, 254.445



11, 1.562, 185.432



35, 28.369, 175.718



79, 53.671, 174.336

Inverse Universe

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



9, 30.883, 19.073



14, 38.298, 24.898



12, 26.577, 45.856



10, 1.612, 6.528



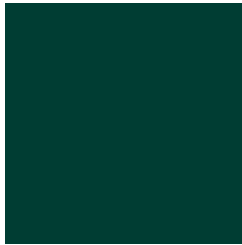
18, 44.187, 27.590



46, 86.188, 32.627

Previews

White Background



This preview shows how the CIELCh color 22, 20.854, 176.983 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, 20.854, 176.983 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, 20.854, 176.983

Background



This preview shows how black text looks on a background with the CIELCh color 22, 20.854, 176.983.



This preview shows how white text looks on a background with the CIELCh color 22, 20.854, 176.983.

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, 20.854, 176.983

Protanopia

22, 4.254, 89.391

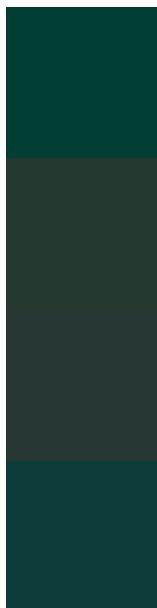
Deuteranopia

22, 3.831, 10.109



Tritanopia
22, 14.445, 207.860

Trichromacy



Original Color
22, 20.854, 176.983

Protanomaly
22, 10.445, 166.438

Deuteranomaly
21, 7.346, 181.952

Tritanomaly
22, 16.532, 191.865

Monochromacy



Original Color
22, 20.854, 176.983

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 9.914, 181.128

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 22, 20.854, 176.983 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 61, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 61, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 22, 20.854, 176.983 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, 51) }
```

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

```
.border{ border-color:rgb(0, 61, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 61, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 61, 51); box-shadow:4px  
4px 4px 4px rgb(0, 61, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 22, 20.854, 176.983 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, 51) }
```

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

```
.background{ background-color: rgb(0, 61,  
51) }
```

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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