

Converting Colors

CIELCh(28, 23.060, 175.788)

Have a look what the booklet for
CIELCh(28, 23.060, 175.788)
contains.

CIELCh(28, 22.979, 176.111)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(28, 22.979, 176.111)

Conversions

Conversions Part 1

Format	Color
Hex	084B3F
RGB	8, 75, 63
RGB Percent	3%, 29%, 25%
CMY	0.9680, 0.7055, 0.7526
CMYK	0.89, 0.00, 0.16, 0.71
HSL	169°, 80%, 16%
HSV	169°, 89%, 29%
XYZ	3.5242, 5.4574, 5.5834
YIQ	53.5990, -36.0800, -17.9360

Conversions

Conversions Part 2

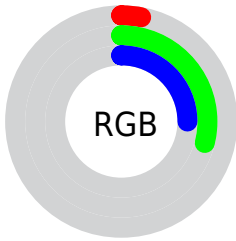
Format	Color
R_{YB}	8, 45, 75
Decimal	543551
CIE Lab	28.00, -22.93, 1.56
CIE LCh	28, 22.979, 176.111
Yxy	5.4574, 0.2420, 0.3747
Android (android.graphics.Color)	4278733631 (0xFF084B3F)
YUV	53.5990, 4.6347, -39.9903
Hunter-Lab	23.3610, -13.9535, 2.1821

Details

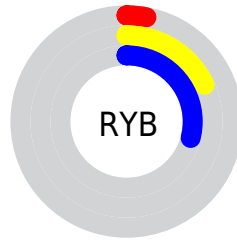
The CIELCh color **28, 22.979, 176.111** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 33.217, 21.418**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 22.690, 177.137**, and **10, 15.633, 164.940** is the 20% darker color. If you saturate the color by 10%, you get **28, 24.382, 174.906**, and if you desaturate by 10%, it is **28, 21.512, 177.393**.

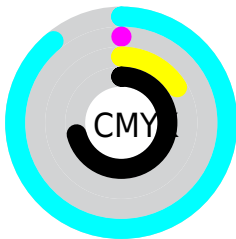
Distribution



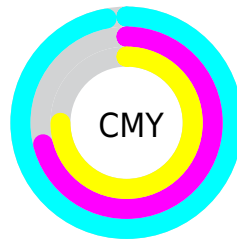
- Red (3%)
- Green (29%)
- Blue (25%)



- Red (3%)
- Yellow (18%)
- Blue (29%)



- Cyan (89%)
- Magenta (0%)
- Yellow (16%)
- Black (71%)





- Cyan (97%)
- Magenta (71%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 22.979, 176.111 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 28, 22.979, 176.111 by changing the saturation by 10% instead.

 28, 22.979,
176.111


 28, 22.979,
176.111

 100, 22.979,
176.111

 18, 22.979,
176.111


 48, 22.979,
176.111


 8, 22.979, 176.111

 58, 22.979,
176.111

 0, 22.979, 176.111

 68, 22.979,
176.111

 78, 22.979,
176.111

 88, 22.979,
176.111

 98, 22.979,

176.111

■ 28, 22.979,
176.111

■ 28, 22.979,
176.111

■ 28, 24.382,
174.906

■ 28, 21.512,
177.393

■ 28, 24.505,
174.809

■ 28, 19.709,
178.572

■ 29, 17.568,
179.657

■ 29, 15.119,
180.663

■ 30, 12.399,
181.606

■ 30, 9.452, 182.499

■ 31, 6.326, 183.356

■ 31, 3.063, 184.207

■ 32, 0.294, 4.034

Harmonies

Complementary

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



28, 22.979, 176.111



14, 33.217, 21.418

Rectangle

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



28, 22.979, 176.111



28, 22.979, 226.111



28, 22.979, 356.111



28, 22.979, 46.111

Sweetspot

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



28, 22.979, 176.110



39, 10.844, 182.598



27, 44.437, 134.633



19, 7.186, 182.471



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28, 22.979, 176.110



36, 29.412, 174.153



21, 18.332, 250.170



15, 1.901, 184.248



38, 30.530, 174.036



82, 56.103, 172.724

Inverse Universe

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



14, 33.217, 21.418



18, 44.827, 27.004



18, 30.485, 48.307



14, 1.964, 5.466



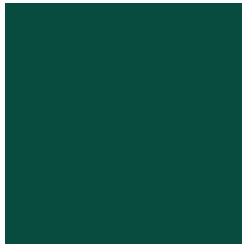
20, 46.667, 27.530



48, 87.658, 31.759

Previews

White Background



This preview shows how the CIELCh color 28, 22.979, 176.111 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 28, 22.979, 176.111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

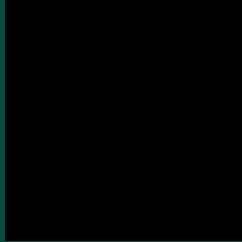
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 22.979, 176.111

Background



This preview shows how black text looks on a background with the CIELCh color 28, 22.979, 176.111.



This preview shows how white text looks on a background with the CIELCh color 28, 22.979, 176.111.

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](#).

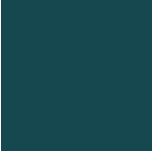
Dichromacy



Original Color
28, 22.979, 176.111

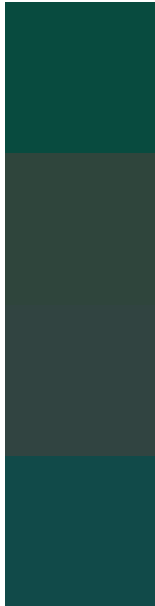
Protanopia
28, 5.337, 93.952

Deuteranopia
28, 4.274, 2.570



Tritanopia
28, 16.780, 210.599

Trichromacy



Original Color
28, 22.979, 176.111

Protanomaly
27, 11.211, 166.139

Deuteranomaly
27, 8.283, 184.384

Tritanomaly
28, 18.524, 194.625

Monochromacy



Original Color
28, 22.979, 176.111

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 11.031, 179.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 22.979, 176.111 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(8, 75, 63)` looks like.

```
.text, #text, p{  
    color:rgb(8, 75, 63)  
}
```

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(8, 75, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 75, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 22.979, 176.111 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(8, 75, 63) }
```

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

```
.border{ border-color:rgb(8, 75, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 75, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 75, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 75, 63); box-shadow:4px  
4px 4px 4px rgb(8, 75, 63) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 22.979, 176.111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 75, 63) }
```

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

```
.background{ background-color: rgb(8, 75,  
63) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor