

Converting Colors

CIELCh(14, 20.827, 159.808)

Have a look what the booklet for
CIELCh(14, 20.827, 159.808)
contains.

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Color

CIELCh(14, 20.810, 159.817)

Conversions

Conversions Part 1

Format	Color
Hex	002A19
RGB	0, 42, 25
RGB Percent	0%, 16%, 10%
CMY	0.9999, 0.8351, 0.9018
CMYK	1.00, 0.00, 0.40, 0.84
HSL	156°, 100%, 8%
HSV	156°, 100%, 16%
XYZ	1.0060, 1.7298, 1.2029
YIQ	27.5040, -19.5750, -14.1910

Conversions

Conversions Part 2

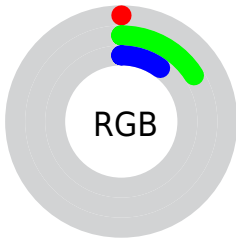
Format	Color
RYB	0, 26, 42
Decimal	10777
CIELab	14.00, -19.53, 7.18
CIELCh	14, 20.810, 159.817
Yxy	1.7298, 0.2554, 0.4392
Android (android.graphics.Color)	4278200857 (0xFF002A19)
YUV	27.5040, -1.2345, -24.1210
Hunter-Lab	13.1521, -9.3634, 3.7836

Details

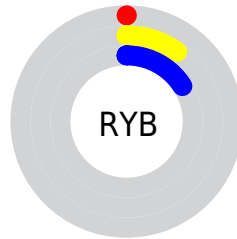
The CIELCh color **14, 20.810, 159.817** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 21.882, 0.103**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 20.947, 159.974**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 20.826, 159.811**, and if you desaturate by 10%, it is **14, 18.925, 160.570**.

Distribution



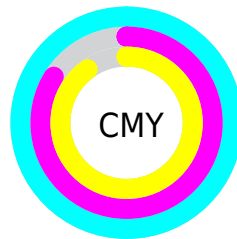
- Red (0%)
- Green (16%)
- Blue (10%)



- Red (0%)
- Yellow (10%)
- Blue (16%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (84%)





- Cyan (100%)
- Magenta (84%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 20.810, 159.817 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 14, 20.810, 159.817 by changing the saturation by 10% instead.

 14, 20.810,
159.817


 14, 20.810,
159.817


 100, 20.810,
159.817


 4, 20.810, 159.817


 34, 20.810,
159.817

 0, 20.810, 159.817

 44, 20.810,
159.817


 54, 20.810,
159.817


 64, 20.810,
159.817


 74, 20.810,
159.817


 84, 20.810,


159.817


 94, 20.810,
159.817


 14, 20.810,
159.817


 14, 20.810,
159.817


 14, 20.826,
159.811

 14, 18.925,
160.570

 14, 17.111,
161.580

 15, 15.320,
162.817

 15, 13.395,
163.970

 15, 11.339,
165.021

■ 15, 9.180, 165.984

■ 16, 6.941, 166.871

■ 16, 4.647, 167.697

■ 17, 2.319, 168.486

Harmonies

Complementary

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



14, 20.810, 159.817



5, 21.882, 0.103

Rectangle

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



14, 20.810, 159.817



14, 20.810, 209.817



14, 20.810, 339.817



14, 20.810, 29.817

Sweetspot

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



14, 20.810, 159.817



21, 8.528, 166.718



14, 27.674, 132.089



9, 5.890, 166.686



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



14, 20.810, 159.817



19, 24.738, 158.458



13, 13.109, 207.830



6, 1.052, 168.577



31, 34.509, 156.510



75, 69.992, 154.251

Inverse Universe

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



5, 21.882, 0.103



7, 27.978, 2.517



5, 19.924, 23.800



6, 1.040, 349.679



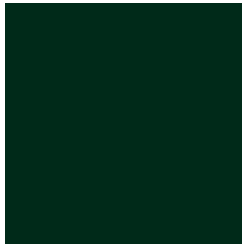
16, 37.690, 6.707



45, 73.696, 11.731

Previews

White Background



This preview shows how the CIELCh color 14, 20.810, 159.817 looks on a white background.

Color Contrast Check

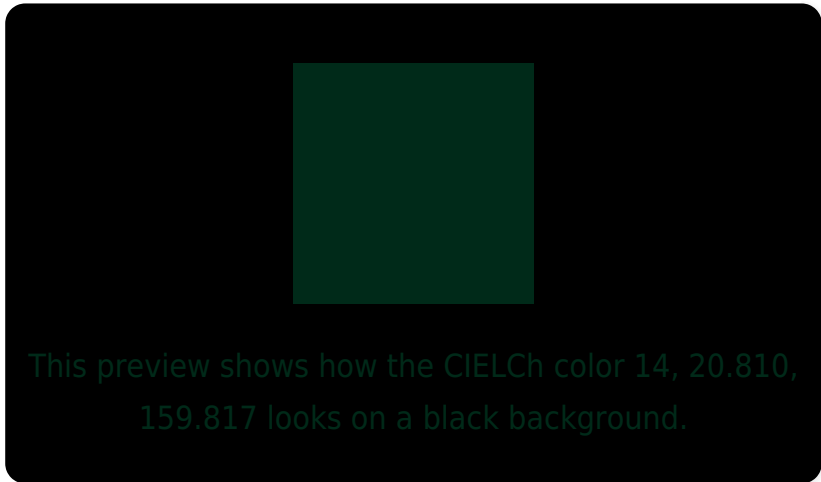
Large Text (above 18pt) WCAG AA ✓ Pass

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

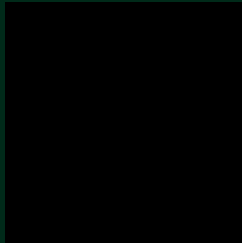
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 20.810, 159.817

Background



This preview shows how black text looks on a background with the CIELCh color 14, 20.810, 159.817.



This preview shows how white text looks on a background with the CIELCh color 14, 20.810, 159.817.

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

14, 20.810, 159.817

Protanopia

14, 9.412, 94.139

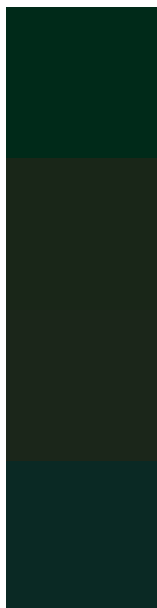
Deuteranopia

14, 7.147, 71.701



Tritanopia
14, 9.874, 209.962

Trichromacy



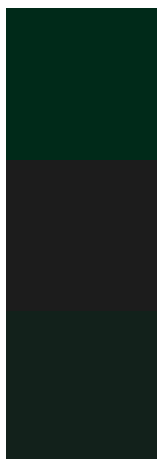
Original Color
14, 20.810, 159.817

Protanomaly
14, 11.907, 140.728

Deuteranomaly
14, 10.171, 140.727

Tritanomaly
14, 12.900, 180.452

Monochromacy



Original Color
14, 20.810, 159.817

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 8.442, 166.026

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 20.810, 159.817 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, 42, 25)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 25)  
}
```

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, 42, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 20.810, 159.817 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, 42, 25) }
```

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

```
.border{ border-color:rgb(0, 42, 25) }
```

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

Here you see how a box with a 4 pixel rgb(0, 42, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 25); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 42, 25); box-shadow:4px  
4px 4px 4px rgb(0, 42, 25) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 20.810, 159.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 25) }
```

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

```
.background{ background-color: rgb(0, 42,  
25) }
```

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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