

Converting Colors

CIELCh(13, 34.491, 167.667)

Have a look what the booklet for
CIELCh(13, 34.491, 167.667)
contains.

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Color

CIELCh(14, 22.959, 155.015)

Conversions

Conversions Part 1

Format	Color
Hex	002A15
RGB	0, 42, 21
RGB Percent	0%, 16%, 8%
CMY	1.0000, 0.8341, 0.9162
CMYK	1.00, 0.00, 0.49, 0.83
HSL	150°, 100%, 8%
HSV	150°, 100%, 17%
XYZ	0.9712, 1.7298, 1.0103
YIQ	27.0480, -18.2910, -15.4350

Conversions

Conversions Part 2

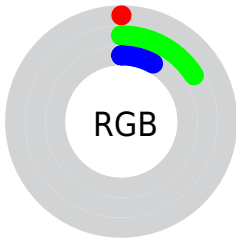
Format	Color
RYB	0, 28, 42
Decimal	10773
CIELab	14.00, -20.81, 9.70
CIELCh	14, 22.959, 155.015
Yxy	1.7298, 0.2617, 0.4661
Android (android.graphics.Color)	4278200853 (0xFF002A15)
YUV	27.0480, -2.9817, -23.7211
Hunter-Lab	13.1521, -9.8348, 4.6521

Details

The CIELCh color **14, 22.959, 155.015** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 22.795, 354.486**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 22.707, 155.212**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 22.831, 154.786**, and if you desaturate by 10%, it is **14, 20.741, 155.512**.

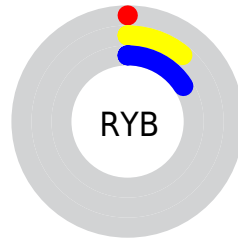
Distribution



Red (0%)

Green (16%)

Blue (8%)



Red (0%)

Yellow (11%)

Blue (16%)

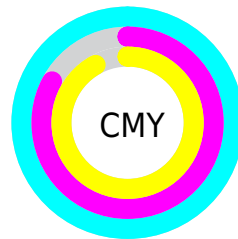


Cyan (100%)

Magenta (0%)

Yellow (49%)

Black (83%)



Cyan (100%)


Magenta (83%)


Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 22.959, 155.015 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, 22.959, 155.015 by changing the saturation by 10% instead.

 14, 22.959,
155.015


 14, 22.959,
155.015


 100, 22.959,
155.015


 4, 22.959, 155.015


 34, 22.959,
155.015

 0, 22.959, 155.015

 44, 22.959,
155.015


 54, 22.959,
155.015


 64, 22.959,
155.015


 74, 22.959,
155.015

 84, 22.959,


155.015


 94, 22.959,
155.015


 14, 22.959,
155.015


 14, 22.959,
155.015


 14, 22.831,
154.786

 14, 20.741,
155.512

 14, 18.713,
156.514

 15, 16.705,
157.760

 15, 14.561,
158.916

 15, 12.292,
159.961

■ 16, 9.926, 160.910

■ 16, 7.489, 161.774

■ 16, 5.007, 162.569

■ 17, 2.504, 163.319

Harmonies

Complementary

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



14, 22.959, 155.015



5, 22.795, 354.486

Rectangle

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



14, 22.959, 155.015



14, 22.959, 205.015



14, 22.959, 335.015



14, 22.959, 25.015

Sweetspot

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



14, 22.831, 154.786



22, 9.496, 161.611



15, 27.102, 129.230



9, 6.304, 161.590



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, 22.831, 154.786



20, 28.032, 153.192



15, 14.346, 196.386



6, 1.118, 163.424



31, 37.953, 151.448



75, 77.316, 149.179

Inverse Universe

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



5, 22.795, 354.486



8, 29.397, 355.961



5, 21.204, 19.617



6, 1.104, 344.445



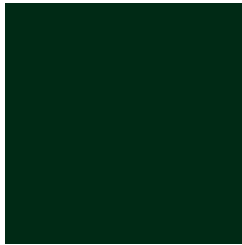
16, 38.110, 358.795



46, 73.532, 2.928

Previews

White Background



This preview shows how the CIELCh color 14, 22.959, 155.015 looks on a white background.

Color Contrast Check

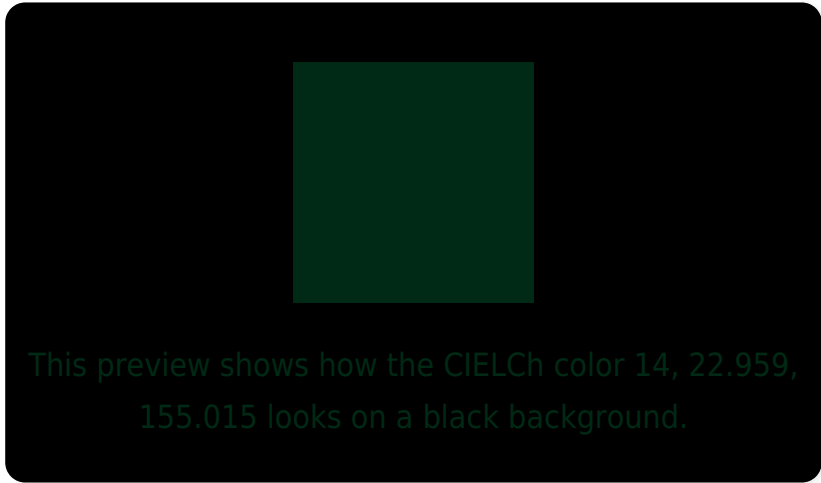
Large Text (above 18pt) WCAG AA ✓ Pass

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

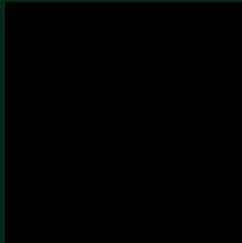
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 22.959, 155.015

Background



This preview shows how black text looks on a background with the CIELCh color 14, 22.959, 155.015.



This preview shows how white text looks on a background with the CIELCh color 14, 22.959, 155.015.

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, 22.824, 154.570

Protanopia

15, 12.597, 99.030

Deuteranopia

14, 9.888, 77.656



Tritanopia
14, 9.594, 210.389

Trichromacy



Original Color
14, 22.824, 154.570

Protanomaly
14, 15.096, 134.949

Deuteranomaly
14, 12.378, 131.794

Tritanomaly
14, 13.243, 177.579

Monochromacy



Original Color
14, 22.824, 154.570

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 9.727, 160.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 22.959, 155.015 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 22.959, 155.015 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, 21) }
```

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

```
.border{ border-color:rgb(0, 42, 21) }
```

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, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 21); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 42, 21); box-shadow:4px  
4px 4px 4px rgb(0, 42, 21) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 22.959, 155.015 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, 21) }
```

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

```
.background{ background-color: rgb(0, 42,  
21) }
```

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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