

Converting Colors

CIELCh(14, 22.466, 156.164)

Have a look what the booklet for
CIELCh(14, 22.466, 156.164)
contains.

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Color

CIELCh(14, 22.316, 155.796)

Conversions

Conversions Part 1

Format	Color
Hex	002A16
RGB	0, 42, 22
RGB Percent	0%, 16%, 9%
CMY	0.9994, 0.8345, 0.9130
CMYK	1.00, 0.00, 0.47, 0.83
HSL	151°, 99%, 8%
HSV	151°, 100%, 17%
XYZ	0.9835, 1.7298, 1.0503
YIQ	27.1620, -18.6120, -15.1240

Conversions

Conversions Part 2

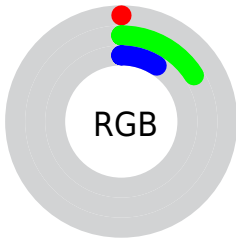
Format	Color
RYB	0, 28, 42
Decimal	10774
CIELab	14.00, -20.35, 9.15
CIELCh	14, 22.316, 155.796
Yxy	1.7298, 0.2613, 0.4596
Android (android.graphics.Color)	4278200854 (0xFF002A16)
YUV	27.1620, -2.5449, -23.8211
Hunter-Lab	13.1521, -9.6678, 4.4715

Details

The CIELCh color **14, 22.316, 155.796** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 22.492, 355.674**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 22.258, 156.335**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 22.389, 155.774**, and if you desaturate by 10%, it is **14, 20.270, 156.535**.

Distribution



Red (0%)

Green (16%)

Blue (9%)



Red (0%)

Yellow (11%)

Blue (16%)

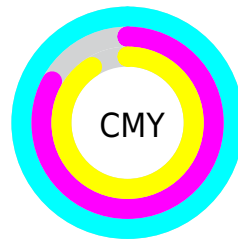


Cyan (100%)

Magenta (0%)

Yellow (47%)

Black (83%)



Cyan (100%)

Magenta (83%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 14, 22.316, 155.796 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, 22.316, 155.796 by changing the saturation by 10% instead.

 14, 22.316,
155.796

 14, 22.316,
155.796


 100, 22.316,
155.796


 4, 22.316, 155.796


 34, 22.316,
155.796

 0, 22.316, 155.796

 44, 22.316,
155.796

 54, 22.316,
155.796


 64, 22.316,
155.796


 74, 22.316,
155.796


 84, 22.316,


155.796

 94, 22.316,
155.796


 14, 22.316,
155.796


 14, 22.316,
155.796


 14, 22.389,
155.774

 14, 20.270,
156.535

 14, 18.290,
157.549

 15, 16.325,
158.796

 15, 14.224,
159.949

 15, 11.999,
160.994

■ 15, 9.676, 161.944

■ 16, 7.282, 162.812

■ 16, 4.842, 163.612

■ 17, 2.379, 164.370

Harmonies

Complementary

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



14, 22.316, 155.796



5, 22.492, 355.674

Rectangle

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



14, 22.316, 155.796



14, 22.316, 205.796



14, 22.316, 335.796



14, 22.316, 25.796

Sweetspot

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



14, 22.316, 155.796



22, 9.360, 162.617



15, 27.114, 129.833



9, 6.214, 162.600



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, 22.316, 155.796



20, 27.518, 154.170



14, 14.018, 198.501



6, 1.104, 164.445



31, 37.234, 152.428



75, 75.796, 150.154

Inverse Universe

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



5, 22.492, 355.674



8, 29.240, 357.427



5, 20.854, 20.416



6, 1.090, 345.489



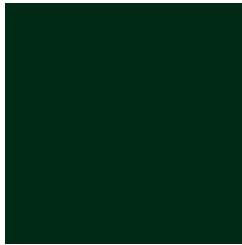
16, 37.953, 0.413



45, 73.398, 4.749

Previews

White Background



This preview shows how the CIELCh color 14, 22.316, 155.796 looks on a white background.

Color Contrast Check

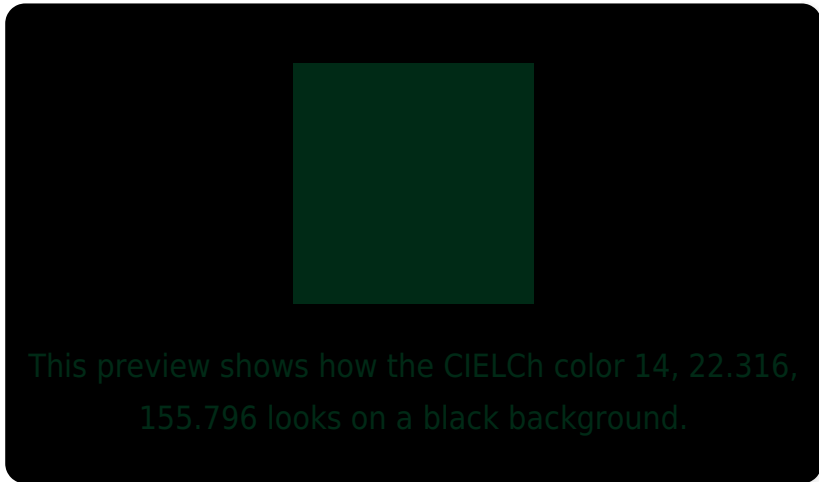
Large Text (above 18pt) WCAG AA ✓ Pass

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

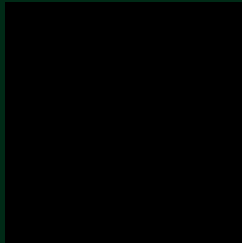
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 22.316, 155.796

Background



This preview shows how black text looks on a background with the CIELCh color 14, 22.316, 155.796.



This preview shows how white text looks on a background with the CIELCh color 14, 22.316, 155.796.

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, 22.316, 155.796

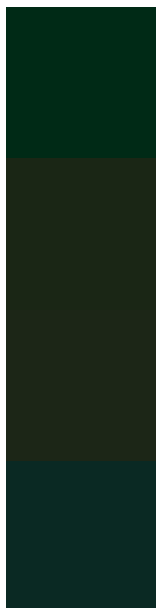
Protanopia
14, 11.424, 95.748

Deuteranopia
14, 9.271, 75.847



Tritanopia
14, 9.594, 210.389

Trichromacy



Original Color
14, 22.316, 155.796

Protanomaly
14, 13.460, 134.210

Deuteranomaly
14, 11.755, 133.229

Tritanomaly
14, 13.243, 177.579

Monochromacy



Original Color
14, 22.316, 155.796

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, 22.316, 155.796 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, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 22)  
}
```

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, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 22.316, 155.796 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, 22) }
```

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

```
.border{ border-color:rgb(0, 42, 22) }
```

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, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 22); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 42, 22); box-shadow:4px  
4px 4px 4px rgb(0, 42, 22) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 22.316, 155.796 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, 22) }
```

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

```
.background{ background-color: rgb(0, 42,  
22) }
```

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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