

Converting Colors

CIELCh(14, 13.941, 234.260)

Have a look what the booklet for
CIELCh(14, 13.941, 234.260)
contains.

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Color

CIELCh(14, 13.835, 232.170)

Conversions

Conversions Part 1

Format	Color
Hex	012833
RGB	1, 40, 51
RGB Percent	0%, 16%, 20%
CMY	0.9976, 0.8447, 0.8016
CMYK	0.99, 0.22, 0.00, 0.80
HSL	193°, 98%, 10%
HSV	193°, 99%, 20%
XYZ	1.3412, 1.7298, 3.3471
YIQ	29.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

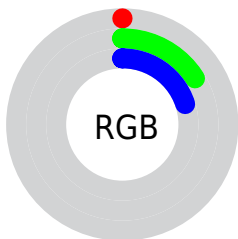
Format	Color
R_{YB}	1, 23, 51
Decimal	75827
CIE _{Lab}	14.00, -8.49, -10.93
CIE _{LCh}	14, 13.835, 232.170
Yxy	1.7298, 0.2090, 0.2695
Android (android.graphics.Color)	4278265907 (0xFF012833)
YUV	29.5930, 10.5537, -25.0761
Hunter-Lab	13.1521, -4.8132, -5.8822

Details

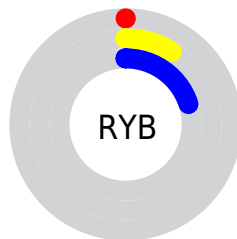
The CIELCh color **14, 13.835, 232.170** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 22.920, 34.497**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 13.662, 231.770**, and **0, 0.807, 290.178** is the 20% darker color. If you saturate the color by 10%, you get **14, 13.953, 232.325**, and if you desaturate by 10%, it is **15, 12.884, 230.695**.

Distribution



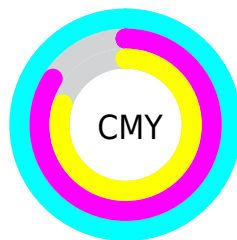
- Red (0%)
- Green (16%)
- Blue (20%)



- Red (0%)
- Yellow (9%)
- Blue (20%)



- Cyan (99%)
- Magenta (22%)
- Yellow (0%)
- Black (80%)



- Cyan (100%)
- Magenta (84%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 13.835, 232.170 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, 13.835, 232.170 by changing the saturation by 10% instead.

■ 14, 13.835,
232.170

■ 14, 13.835,
232.170

■ 100, 13.835,
232.170

■ 4, 13.835, 232.170

■ 34, 13.835,
232.170

■ 0, 13.835, 232.170

■ 44, 13.835,
232.170


■ 54, 13.835,
232.170


■ 64, 13.835,
232.170


■ 74, 13.835,
232.170


■ 84, 13.835,


232.170


 94, 13.835,
232.170


 14, 13.835,
232.170

 14, 13.835,
232.170

 14, 13.953,
232.325

 15, 12.884,
230.695

 15, 11.994,
228.869

 16, 11.007,
227.137

 16, 9.832, 225.737

 17, 8.483, 224.617

 18, 6.976, 223.734

■ 19, 5.331, 223.048

■ 19, 3.568, 222.531

■ 20, 1.706, 222.188

Harmonies

Complementary

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



14, 13.835, 232.170



9, 22.920, 34.497

Rectangle

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



14, 13.835, 232.170



14, 13.835, 282.170



14, 13.835, 52.170



14, 13.835, 102.170

Sweetspot

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



14, 13.835, 232.170



25, 6.915, 223.224



17, 32.361, 142.990



11, 4.606, 223.269



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



14, 13.835, 232.170



19, 16.669, 234.522



5, 26.442, 289.701



9, 1.080, 222.177



27, 20.473, 236.524



64, 39.415, 240.362

Inverse Universe

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



8, 31.597, 337.202



12, 37.762, 337.866



15, 22.460, 83.530



8, 2.002, 331.623



18, 45.858, 338.425



49, 86.124, 339.535

Previews

White Background



This preview shows how the CIE LCh color 14, 13.835, 232.170 looks on a white background.

Color Contrast Check

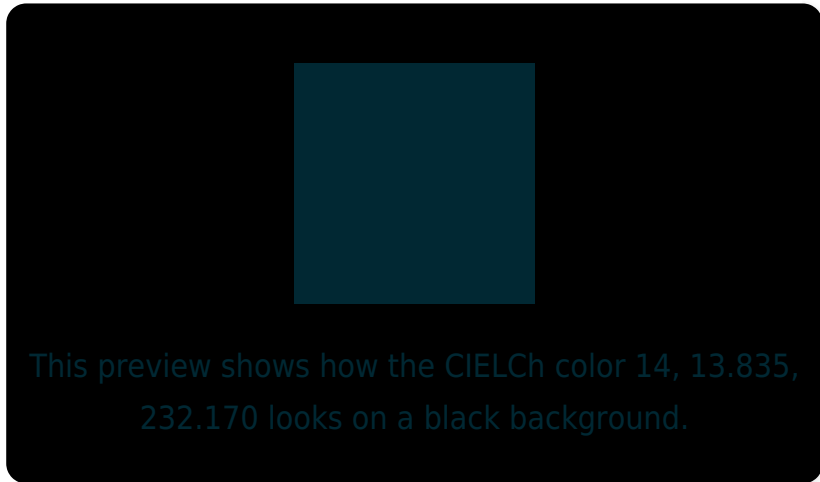
Large Text (above 18pt) WCAG AA ✓ Pass

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

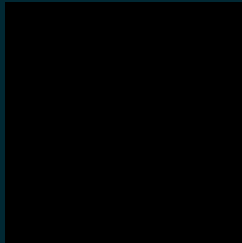
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

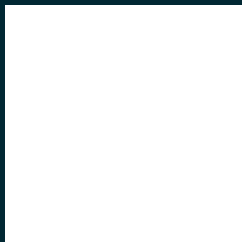
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 13.835, 232.170

Background



This preview shows how black text looks on a background with the CIELCh color 14, 13.835, 232.170.



This preview shows how white text looks on a background with the CIELCh color 14, 13.835, 232.170.

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, 13.835, 232.170

Protanopia
14, 8.586, 283.925

Deuteranopia
14, 10.781, 282.152



Tritanopia
14, 13.385, 209.138

Trichromacy



Original Color
14, 13.835, 232.170

Protanomaly
14, 10.279, 255.591

Deuteranomaly
14, 11.520, 259.454

Tritanomaly
14, 13.370, 215.721

Monochromacy



Original Color
14, 13.835, 232.170

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 6.567, 224.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 13.835, 232.170 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(1, 40, 51)` looks like.

```
.text, #text, p{  
    color:rgb(1, 40, 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(1, 40, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 40, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 13.835, 232.170 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(1, 40, 51) }
```

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

```
.border{ border-color:rgb(1, 40, 51) }
```

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

Here you see how a box with a 4 pixel rgb(1, 40, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 40, 51); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 40, 51); box-shadow:4px  
4px 4px 4px rgb(1, 40, 51) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 13.835, 232.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 40, 51) }
```

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

```
.background{ background-color: rgb(1, 40,  
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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