

Converting Colors

CIELCh(14, 12.936, 215.952)

Have a look what the booklet for
CIELCh(14, 12.936, 215.952)
contains.

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Color

CIELCh(14, 12.928, 216.474)

Conversions

Conversions Part 1

Format	Color
Hex	02282E
RGB	2, 40, 46
RGB Percent	1%, 16%, 18%
CMY	0.9921, 0.8430, 0.8195
CMYK	0.96, 0.13, 0.00, 0.82
HSL	188°, 92%, 9%
HSV	188°, 96%, 18%
XYZ	1.2786, 1.7298, 2.8539
YIQ	29.3220, -24.5740, -6.1900

Conversions

Conversions Part 2

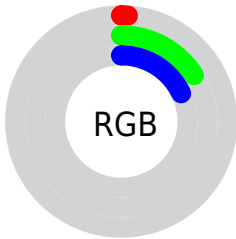
Format	Color
RYB	2, 22, 46
Decimal	141358
CIELab	14.00, -10.40, -7.69
CIELCh	14, 12.928, 216.474
Yxy	1.7298, 0.2181, 0.2951
Android (android.graphics.Color)	4278331438 (0xFF02282E)
YUV	29.3220, 8.2223, -23.9614
Hunter-Lab	13.1521, -5.6631, -3.6588

Details

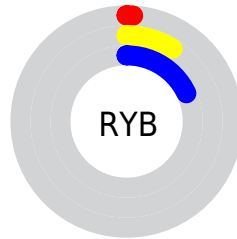
The CIELCh color **14, 12.928, 216.474** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 21.130, 27.729**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 12.985, 217.800**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 13.332, 216.725**, and if you desaturate by 10%, it is **14, 12.048, 215.764**.

Distribution



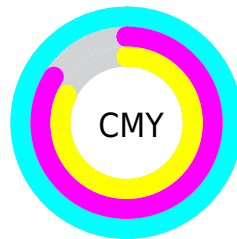
- Red (1%)
- Green (16%)
- Blue (18%)



- Red (1%)
- Yellow (9%)
- Blue (18%)



- Cyan (96%)
- Magenta (13%)
- Yellow (0%)
- Black (82%)



- Cyan (99%)
- Magenta (84%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 12.928, 216.474 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, 12.928, 216.474 by changing the saturation by 10% instead.

■ 14, 12.928,
216.474

■ 14, 12.928,
216.474

■ 100, 12.928,
216.474

■ 4, 12.928, 216.474

■ 34, 12.928,
216.474

■ 0, 12.928, 216.474

■ 44, 12.928,
216.474


■ 54, 12.928,
216.474


■ 64, 12.928,
216.474


■ 74, 12.928,
216.474


■ 84, 12.928,


216.474


 94, 12.928,
216.474


 14, 12.928,
216.474

 14, 12.928,
216.474

 14, 13.332,
216.725

 14, 12.048,
215.764

 15, 11.210,
214.864

 15, 10.241,
214.064

 16, 9.081, 213.456

 16, 7.747, 213.013

 17, 6.257, 212.710

■ 17, 4.633, 212.526

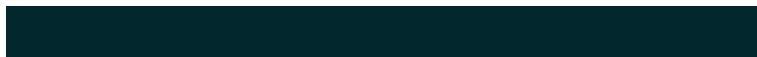
■ 18, 2.894, 212.451

■ 19, 1.061, 212.548

Harmonies

Complementary

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



14, 12.928, 216.474



7, 21.130, 27.729

Rectangle

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



14, 12.928, 216.474



14, 12.928, 266.474



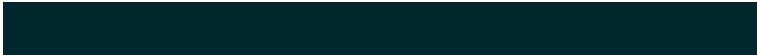
14, 12.928, 36.474



14, 12.928, 86.474

Sweetspot

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



14, 12.928, 216.473



23, 6.349, 212.603



15, 30.527, 142.363



10, 4.397, 212.617



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



14, 12.928, 216.473



19, 15.476, 217.956



6, 21.047, 283.700



7, 0.979, 213.076



29, 20.014, 219.603



69, 38.330, 222.020

Inverse Universe

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



7, 30.341, 333.066



10, 36.966, 333.586



13, 18.622, 75.695



7, 1.792, 328.536



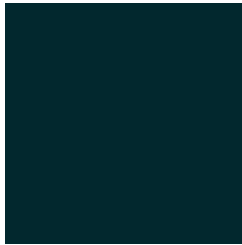
18, 47.703, 333.994



49, 90.966, 334.597

Previews

White Background



This preview shows how the CIELCh color 14, 12.928, 216.474 looks on a white background.

Color Contrast Check

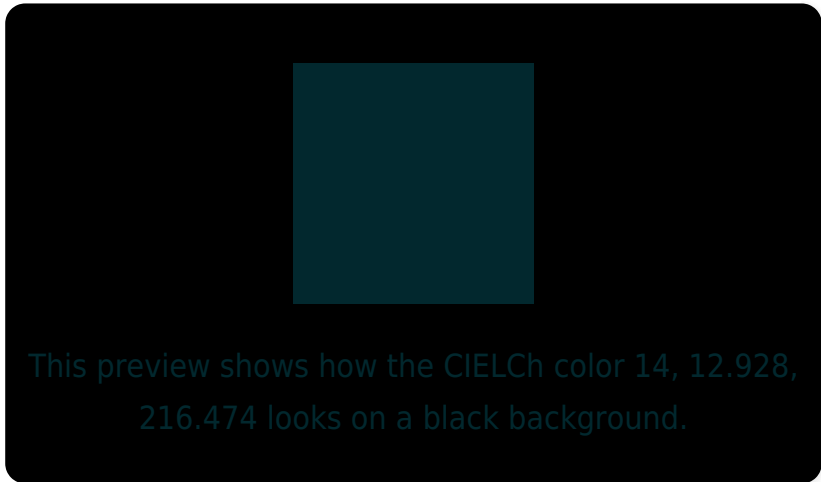
Large Text (above 18pt) WCAG AA ✓ Pass

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

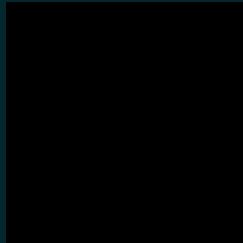
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

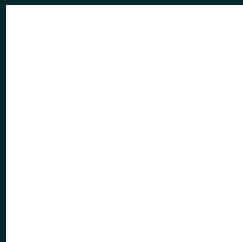
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 12.928, 216.474

Background



This preview shows how black text looks on a background with the CIELCh color 14, 12.928, 216.474.

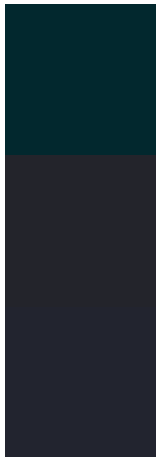


This preview shows how white text looks on a background with the CIELCh color 14, 12.928, 216.474.

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, 12.928, 216.474

Protanopia

14, 4.988, 286.332

Deuteranopia

14, 7.841, 285.964



Tritanopia
14, 13.385, 209.138

Trichromacy



Original Color
14, 12.928, 216.474

Protanomaly
14, 7.490, 240.596

Deuteranomaly
14, 9.071, 250.907

Tritanomaly
14, 13.128, 212.752

Monochromacy



Original Color
14, 12.928, 216.474

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 6.269, 211.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 12.928, 216.474 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(2, 40, 46)` looks like.

```
.text, #text, p{  
    color:rgb(2, 40, 46)  
}
```

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(2, 40, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 40, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 12.928, 216.474 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(2, 40, 46) }
```

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

```
.border{ border-color:rgb(2, 40, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 40, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 40, 46); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 40, 46); box-shadow:4px  
4px 4px 4px rgb(2, 40, 46) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 12.928, 216.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 40, 46) }
```

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

```
.background{ background-color: rgb(2, 40,  
46) }
```

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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