

Converting Colors

CIELCh(14, 12.126, 196.787)

Have a look what the booklet for
CIELCh(14, 12.126, 196.787)
contains.

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Color

CIELCh(14, 12.109, 196.754)

Conversions

Conversions Part 1

Format	Color
Hex	072828
RGB	7, 40, 40
RGB Percent	3%, 16%, 16%
CMY	0.9718, 0.8425, 0.8425
CMYK	0.82, 0.00, 0.00, 0.84
HSL	180°, 70%, 9%
HSV	180°, 82%, 16%
XYZ	1.2403, 1.7298, 2.2911
YIQ	30.1330, -19.6680, -6.9960

Conversions

Conversions Part 2

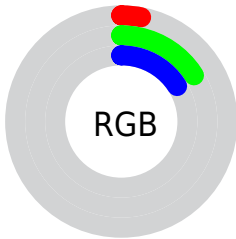
Format	Color
RYB	7, 24, 40
Decimal	469032
CIELab	14.00, -11.59, -3.49
CIELCh	14, 12.109, 196.754
Yxy	1.7298, 0.2357, 0.3288
Android (android.graphics.Color)	4278659112 (0xFF072828)
YUV	30.1330, 4.8644, -20.2876
Hunter-Lab	13.1521, -6.1828, -1.1217

Details

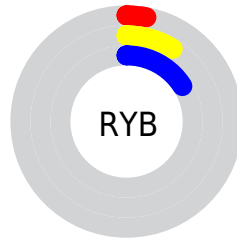
The CIELCh color **14, 12.109, 196.754** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 17.197, 19.803**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 11.932, 197.781**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 13.101, 196.545**, and if you desaturate by 10%, it is **14, 11.144, 196.956**.

Distribution



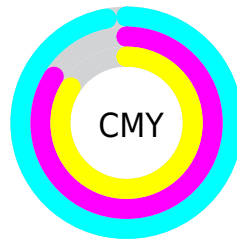
- Red (3%)
- Green (16%)
- Blue (16%)



- Red (3%)
- Yellow (9%)
- Blue (16%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (84%)



- Cyan (97%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 12.109, 196.754 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, 12.109, 196.754 by changing the saturation by 10% instead.

■ 14, 12.109,
196.754

■ 14, 12.109,
196.754

■ 100, 12.109,
196.754

■ 4, 12.109, 196.754

■ 34, 12.109,
196.754

■ 0, 12.109, 196.754

■ 44, 12.109,
196.754


■ 54, 12.109,
196.754


■ 64, 12.109,
196.754


■ 74, 12.109,
196.754


■ 84, 12.109,


196.754


 94, 12.109,
196.754


 14, 12.109,
196.754

 14, 12.109,
196.754

 14, 13.101,
196.545

 14, 11.144,
196.956

 14, 13.910,
196.378

 14, 10.049,
197.190

 15, 8.779, 197.465

 15, 7.350, 197.778

 15, 5.779, 198.130

 15, 4.085, 198.519

■ 16, 2.288, 198.959

■ 16, 0.408, 199.758

■ 17, 1.540, 19.635

Harmonies

Complementary

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



14, 12.109, 196.754



6, 17.197, 19.803

Rectangle

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



14, 12.109, 196.754



14, 12.109, 246.754



14, 12.109, 16.754



14, 12.109, 66.754

Sweetspot

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



14, 12.109, 196.753



20, 5.591, 198.345



13, 25.700, 141.263



8, 3.659, 198.617



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



14, 12.109, 196.753



18, 15.994, 196.395



8, 13.011, 267.573



6, 0.896, 199.523



32, 22.375, 196.377



77, 43.546, 196.376

Inverse Universe

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



6, 17.197, 19.803



6, 26.876, 21.842



10, 13.434, 60.618



6, 0.896, 19.292



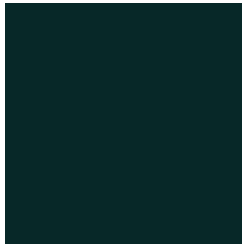
15, 42.655, 33.023



44, 90.859, 39.998

Previews

White Background



This preview shows how the CIELCh color 14, 12.109, 196.754 looks on a white background.

Color Contrast Check

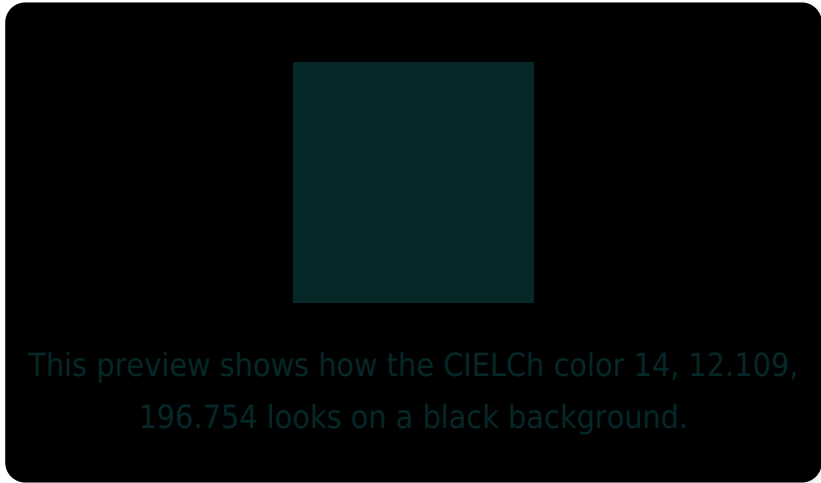
Large Text (above 18pt) WCAG AA ✓ Pass

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

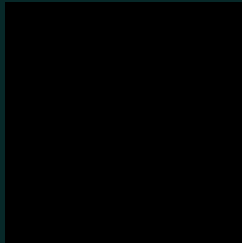
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

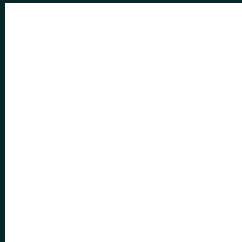
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 12.109, 196.754

Background



This preview shows how black text looks on a background with the CIELCh color 14, 12.109, 196.754.



This preview shows how white text looks on a background with the CIELCh color 14, 12.109, 196.754.

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, 12.109, 196.754

Protanopia

14, 0.713, 290.408

Deuteranopia

14, 4.394, 303.705



Tritanopia
14, 11.117, 208.292

Trichromacy



Original Color
14, 12.109, 196.754

Protanomaly
14, 5.433, 198.173

Deuteranomaly
14, 5.517, 229.814

Tritanomaly
14, 11.392, 204.244

Monochromacy



Original Color
14, 12.109, 196.754

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 5.481, 198.078

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 12.109, 196.754 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(7, 40, 40)` looks like.

```
.text, #text, p{  
    color:rgb(7, 40, 40)  
}
```

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(7, 40, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 40, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 12.109, 196.754 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(7, 40, 40) }
```

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

```
.border{ border-color:rgb(7, 40, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 40, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 40, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 40, 40); box-shadow:4px  
4px 4px 4px rgb(7, 40, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 12.109, 196.754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 40, 40) }
```

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

```
.background{ background-color: rgb(7, 40,  
40) }
```

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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