

Converting Colors

CIELCh(14, 10.708, 197.003)

Have a look what the booklet for
CIELCh(14, 10.708, 197.003)
contains.

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Color

CIELCh(14, 10.891, 197.012)

Conversions

Conversions Part 1

Format	Color
Hex	0C2828
RGB	12, 40, 40
RGB Percent	5%, 16%, 16%
CMY	0.9540, 0.8441, 0.8440
CMYK	0.70, 0.00, 0.00, 0.84
HSL	180°, 54%, 10%
HSV	180°, 70%, 16%
XYZ	1.2780, 1.7298, 2.2534
YIQ	31.6280, -16.6880, -5.9360

Conversions

Conversions Part 2

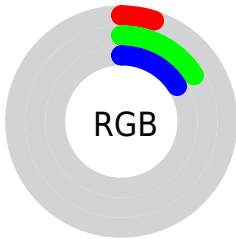
Format	Color
RYB	12, 26, 40
Decimal	796712
CIELab	14.00, -10.41, -3.19
CIELCh	14, 10.891, 197.012
Yxy	1.7298, 0.2429, 0.3288
Android (android.graphics.Color)	4278986792 (0xFF0C2828)
YUV	31.6280, 4.1274, -17.2138
Hunter-Lab	13.1521, -5.6712, -0.9519

Details

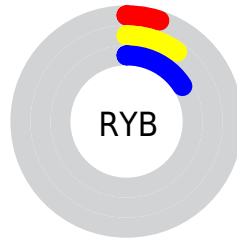
The CIELCh color **14, 10.891, 197.012** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 15.272, 20.243**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 10.919, 197.920**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 11.862, 196.804**, and if you desaturate by 10%, it is **14, 9.773, 197.250**.

Distribution



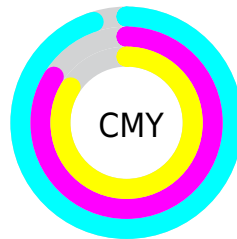
- Red (5%)
- Green (16%)
- Blue (16%)



- Red (5%)
- Yellow (10%)
- Blue (16%)



- Cyan (70%)
- Magenta (0%)
- Yellow (0%)
- Black (84%)



- Cyan (95%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 10.891, 197.012 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, 10.891, 197.012 by changing the saturation by 10% instead.

■ 14, 10.891,
197.012

■ 14, 10.891,
197.012

■ 100, 10.891,
197.012

■ 4, 10.891, 197.012

■ 34, 10.891,
197.012

■ 0, 10.891, 197.012

■ 44, 10.891,
197.012


■ 54, 10.891,
197.012


■ 64, 10.891,
197.012


■ 74, 10.891,
197.012


■ 84, 10.891,

197.012


 94, 10.891,
197.012

 14, 10.891,
197.012


 14, 10.891,
197.012

 14, 11.862,
196.804

 14, 9.773, 197.250

 14, 12.850,
196.597

 14, 8.485, 197.530

 14, 13.826,
196.394

 15, 7.042, 197.850

 15, 5.462, 198.206

 15, 3.764, 198.601

 16, 1.968, 199.052

 16, 0.091, 201.399

■ 16, 1.849, 19.741

■ 17, 3.836, 20.258

Harmonies

Complementary

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



14, 10.891, 197.012



7, 15.272, 20.243

Rectangle

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



14, 10.891, 197.012



14, 10.891, 247.012



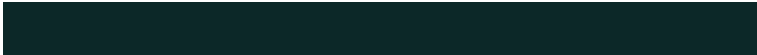
14, 10.891, 17.012



14, 10.891, 67.012

Sweetspot

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



14, 10.891, 197.010



20, 4.746, 198.527



13, 22.892, 141.356



8, 3.109, 198.641



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, 10.891, 197.010



19, 14.642, 196.653



9, 11.417, 266.561



6, 0.896, 199.535



32, 22.372, 196.395



77, 43.539, 196.396

Inverse Universe

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



8, 23.228, 327.267



10, 32.596, 327.812



11, 12.067, 65.867



6, 1.593, 324.412



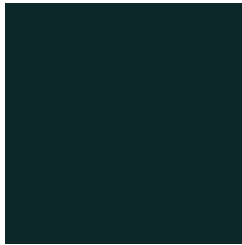
18, 51.592, 328.235



50, 100.407, 328.235

Previews

White Background



This preview shows how the CIELCh color 14, 10.891, 197.012 looks on a white background.

Color Contrast Check

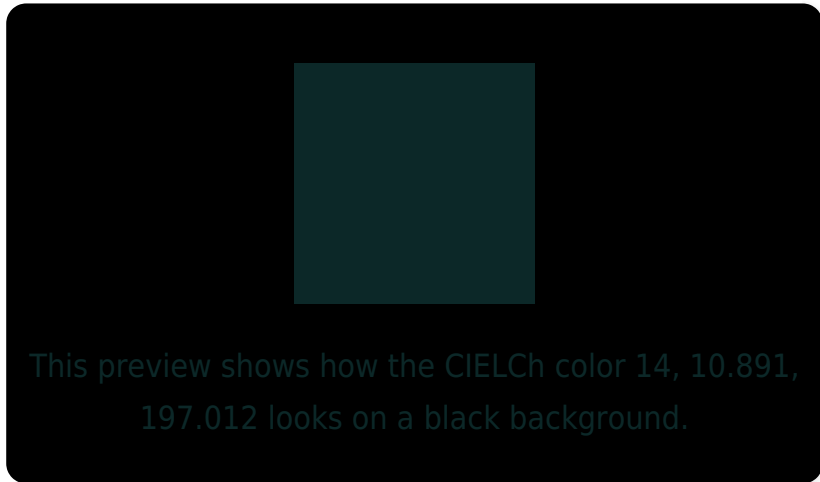
Large Text (above 18pt) WCAG AA ✓ Pass

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

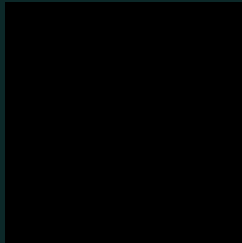
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

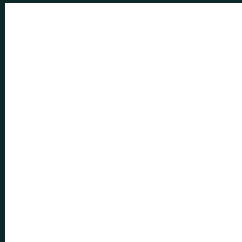
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 10.891, 197.012

Background



This preview shows how black text looks on a background with the CIELCh color 14, 10.891, 197.012.



This preview shows how white text looks on a background with the CIELCh color 14, 10.891, 197.012.

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, 10.891, 197.012

Protanopia

14, 0.713, 290.408

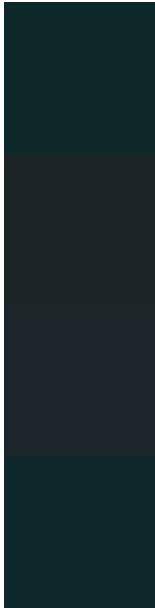
Deuteranopia

14, 4.394, 303.705



Tritanopia
14, 10.149, 213.851

Trichromacy



Original Color
14, 10.891, 197.012

Protanomaly
14, 4.592, 207.387

Deuteranomaly
14, 4.838, 234.957

Tritanomaly
14, 10.119, 209.624

Monochromacy



Original Color
14, 10.891, 197.012

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 4.639, 198.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 10.891, 197.012 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(12, 40, 40)` looks like.

```
.text, #text, p{  
    color:rgb(12, 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(12, 40, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 40, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 10.891, 197.012 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(12, 40, 40) }
```

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

```
.border{ border-color:rgb(12, 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(12, 40, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 40, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 40, 40);  
box-shadow:4px 4px 4px 4px rgb(12, 40, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 10.891, 197.012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 40, 40) }
```

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

```
.background{ background-color: rgb(12, 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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