

Converting Colors

CIELCh(14, 12.338, 168.501)

Have a look what the booklet for
CIELCh(14, 12.338, 168.501)
contains.

CIELCh(14, 12.116, 168.592)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(14, 12.116, 168.592)

Conversions

Conversions Part 1

Format	Color
Hex	102820
RGB	16, 40, 32
RGB Percent	6%, 16%, 13%
CMY	0.9374, 0.8432, 0.8746
CMYK	0.60, 0.00, 0.20, 0.84
HSL	160°, 43%, 11%
HSV	160°, 60%, 16%
XYZ	1.2314, 1.7298, 1.6336
YIQ	31.9120, -11.7360, -7.5760

Conversions

Conversions Part 2

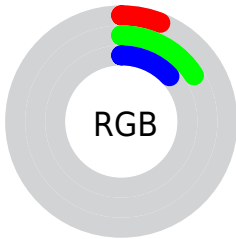
Format	Color
RYB	16, 30, 40
Decimal	1058848
CIELab	14.00, -11.88, 2.40
CIElCh	14, 12.116, 168.592
Yxy	1.7298, 0.2680, 0.3765
Android (android.graphics.Color)	4279248928 (0xFF102820)
YUV	31.9120, 0.0434, -13.9548
Hunter-Lab	13.1521, -6.3033, 1.8422

Details

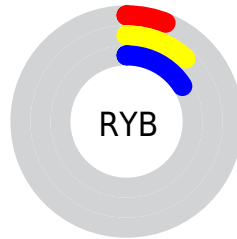
The CIELCh color **14, 12.116, 168.592** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 13.712, 359.744**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 11.874, 169.328**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 13.815, 167.485**, and if you desaturate by 10%, it is **14, 10.290, 169.608**.

Distribution



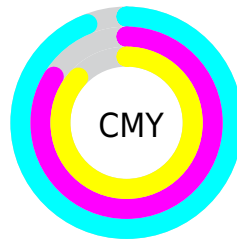
- Red (6%)
- Green (16%)
- Blue (13%)



- Red (6%)
- Yellow (12%)
- Blue (16%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (84%)



- Cyan (94%)
- Magenta (84%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 12.116, 168.592 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, 12.116, 168.592 by changing the saturation by 10% instead.

■ 14, 12.116,
168.592

■ 14, 12.116,
168.592

■ 100, 12.116,
168.592

■ 4, 12.116, 168.592

■ 34, 12.116,
168.592

■ 0, 12.116, 168.592

■ 44, 12.116,
168.592


■ 54, 12.116,
168.592


■ 64, 12.116,
168.592


■ 74, 12.116,
168.592


■ 84, 12.116,


168.592


 94, 12.116,
168.592

 14, 12.116,
168.592


 14, 12.116,
168.592

 14, 13.815,
167.485

 14, 10.290,
169.608


 14, 15.395,
166.331

 15, 8.358, 170.547

 13, 17.019,
165.409

 15, 6.343, 171.422

 15, 4.266, 172.245

 13, 18.710,
164.717

 16, 2.148, 173.043

 16, 0.008, 194.600

■ 17, 2.142, 354.298

■ 17, 4.287, 354.983

■ 18, 6.417, 355.615

Harmonies

Complementary

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



14, 12.116, 168.592



8, 13.712, 359.744

Rectangle

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



14, 12.116, 168.592



14, 12.116, 218.592



14, 12.116, 348.592



14, 12.116, 38.592

Sweetspot

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



14, 12.116, 168.591



20, 4.713, 172.323



14, 18.292, 132.833



8, 3.161, 172.263



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, 12.116, 168.591



18, 17.174, 166.744



13, 8.456, 217.780



6, 1.006, 173.151



31, 31.830, 161.275



75, 64.216, 159.091

Inverse Universe

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



8, 13.712, 359.744



10, 19.969, 2.538



9, 11.694, 33.851



6, 0.997, 354.245



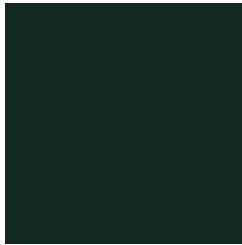
15, 37.975, 13.106



45, 75.274, 18.609

Previews

White Background



This preview shows how the CIELCh color 14, 12.116, 168.592 looks on a white background.

Color Contrast Check

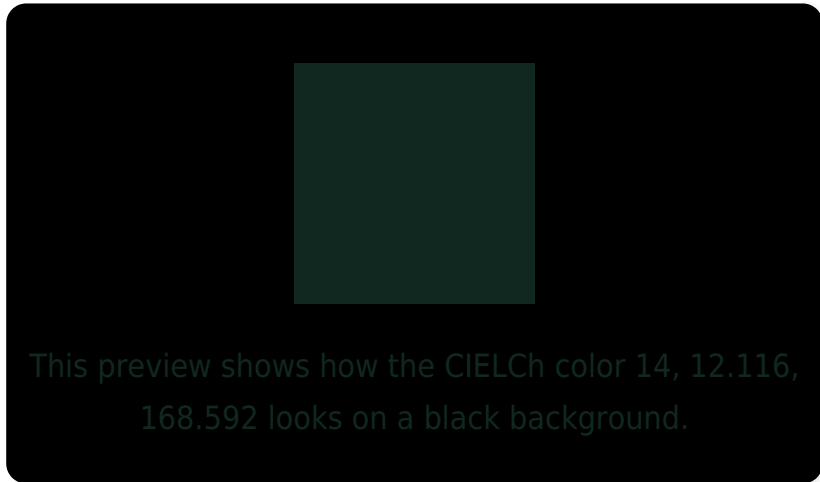
Large Text (above 18pt) WCAG AA ✓ Pass

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

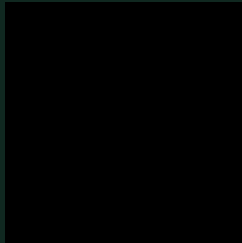
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 12.116, 168.592

Background



This preview shows how black text looks on a background with the CIELCh color 14, 12.116, 168.592.



This preview shows how white text looks on a background with the CIELCh color 14, 12.116, 168.592.

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, 12.116, 168.592

Protanopia

14, 4.367, 95.266

Deuteranopia

14, 3.132, 33.157



Tritanopia
14, 8.381, 212.573

Trichromacy



Original Color
14, 12.116, 168.592

Protanomaly
14, 5.528, 147.673

Deuteranomaly
14, 3.275, 157.844

Tritanomaly
14, 8.946, 192.768

Monochromacy



Original Color
14, 12.116, 168.592

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 4.869, 171.857

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 12.116, 168.592 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(16, 40, 32)` looks like.

```
.text, #text, p{  
    color:rgb(16, 40, 32)  
}
```

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(16, 40, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 40, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 12.116, 168.592 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(16, 40, 32) }
```

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

```
.border{ border-color:rgb(16, 40, 32) }
```

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

Here you see how a box with a 4 pixel rgb(16, 40, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 40, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 40, 32);  
box-shadow:4px 4px 4px 4px rgb(16, 40, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 12.116, 168.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 40, 32) }
```

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

```
.background{ background-color: rgb(16, 40,  
32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor