

Converting Colors

CIELCh(12, 17.680, 142.996)

Have a look what the booklet for
CIELCh(12, 17.680, 142.996)
contains.

CIELCh(12, 17.397, 143.119)	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(12, 17.397, 143.119)

Conversions

Conversions Part 1

Format	Color
Hex	0F2410
RGB	15, 36, 16
RGB Percent	6%, 14%, 6%
CMY	0.9409, 0.8585, 0.9369
CMYK	0.58, 0.00, 0.55, 0.86
HSL	123°, 41%, 10%
HSV	123°, 58%, 14%
XYZ	0.9256, 1.4064, 0.7165
YIQ	27.4410, -6.0960, -10.6720

Conversions

Conversions Part 2

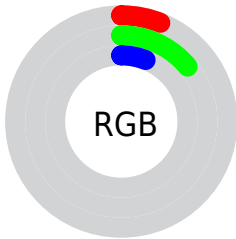
Format	Color
RYB	15, 35, 36
Decimal	992272
CIELab	12.00, -13.92, 10.44
CIELCh	12, 17.397, 143.119
Yxy	1.4064, 0.3036, 0.4613
Android (android.graphics.Color)	4279182352 (0xFF0F2410)
YUV	27.4410, -5.6404, -10.9108
Hunter-Lab	11.8591, -6.8213, 4.7190

Details

The CIELCh color **12, 17.397, 143.119** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 17.517, 328.221**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 17.753, 142.703**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 19.832, 143.362**, and if you desaturate by 10%, it is **12, 14.673, 143.144**.

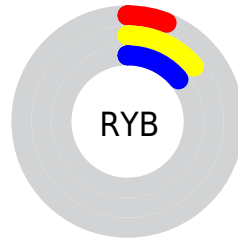
Distribution



Red (6%)

Green (14%)

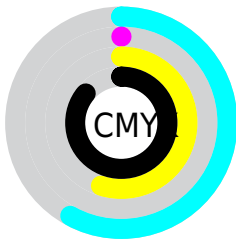
Blue (6%)



Red (6%)

Yellow (14%)

Blue (14%)

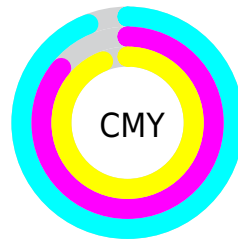


Cyan (58%)

Magenta (0%)

Yellow (55%)

Black (86%)



Cyan (94%)


Magenta (86%)


Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 17.397, 143.119 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 12, 17.397, 143.119 by changing the saturation by 10% instead.

 12, 17.397,
143.119


 12, 17.397,
143.119


 100, 17.397,
143.119


 2, 17.397, 143.119


 32, 17.397,
143.119

 0, 17.397, 143.119

 42, 17.397,
143.119


 52, 17.397,
143.119


 62, 17.397,
143.119


 72, 17.397,
143.119


 82, 17.397,


143.119


 92, 17.397,
143.119


 12, 17.397,
143.119


 12, 17.397,
143.119

 12, 19.832,
143.362


 12, 14.673,
143.144

 12, 21.943,
143.686


 13, 11.701,
143.705

 11, 23.954,
144.017

 13, 8.645, 144.347

 11, 25.950,
144.288

 13, 5.570, 144.920

 11, 26.300,
144.331

 14, 2.503, 145.439

 14, 0.535, 325.690

■ 15, 3.529, 326.214

■ 15, 6.466, 326.569

■ 16, 9.338, 326.878

Harmonies

Complementary

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



12, 17.397, 143.119



8, 17.517, 328.221

Rectangle

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



12, 17.397, 143.119



12, 17.397, 193.119



12, 17.397, 323.119



12, 17.397, 13.119

Sweetspot

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



12, 17.397, 143.119



18, 6.373, 144.928



14, 14.153, 107.948



7, 3.661, 145.669



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 17.397, 143.119



16, 25.308, 141.018



12, 12.121, 160.861



5, 1.213, 145.756



29, 51.111, 137.011



73, 102.283, 136.354

Inverse Universe

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



8, 17.517, 328.221



10, 25.119, 328.846



7, 12.741, 350.452



5, 1.212, 325.792



17, 48.776, 330.097



49, 95.739, 330.290

Previews

White Background



This preview shows how the CIELCh color 12, 17.397, 143.119 looks on a white background.

Color Contrast Check

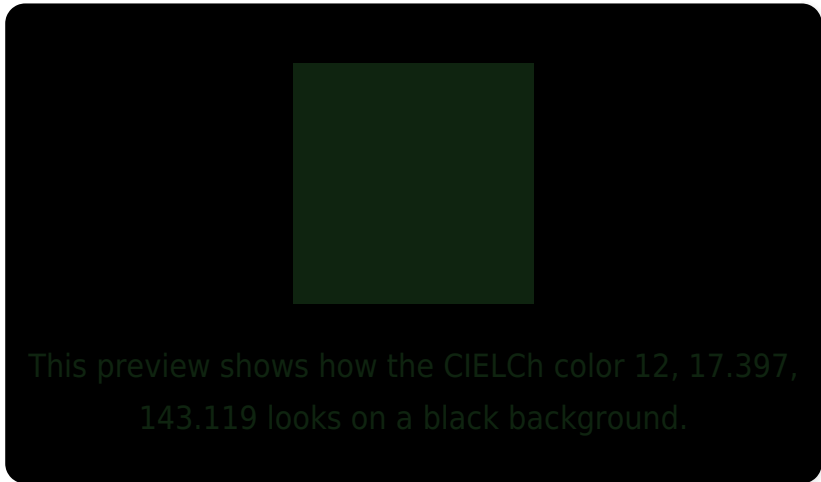
Large Text (above 18pt) WCAG AA ✓ Pass

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

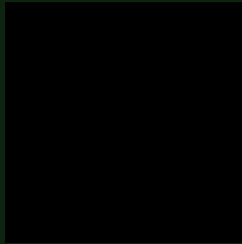
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 17.397, 143.119

Background



This preview shows how black text looks on a background with the CIELCh color 12, 17.397, 143.119.

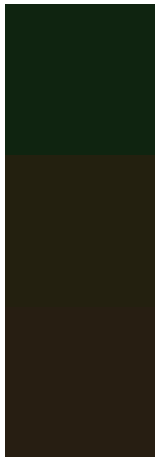


This preview shows how white text looks on a background with the CIELCh color 12, 17.397, 143.119.

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


12, 17.397, 143.119

Protanopia

12, 11.614, 98.755

Deuteranopia

12, 9.919, 76.879



Tritanopia
12, 6.373, 218.141

Trichromacy



Original Color
12, 17.397, 143.119

Protanomaly
12, 12.502, 119.777

Deuteranomaly
12, 10.448, 113.410

Tritanomaly
12, 9.100, 168.621

Monochromacy



Original Color
12, 17.397, 143.119

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 6.571, 146.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 17.397, 143.119 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(15, 36, 16)` looks like.

```
.text, #text, p{  
    color:rgb(15, 36, 16)  
}
```

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(15, 36, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 36, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 17.397, 143.119 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(15, 36, 16) }
```

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

```
.border{ border-color:rgb(15, 36, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 36, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 36, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 36, 16);  
box-shadow:4px 4px 4px 4px rgb(15, 36, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 17.397, 143.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 36, 16) }
```

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

```
.background{ background-color: rgb(15, 36,  
16) }
```

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