

Converting Colors

CIELCh(21, 21.150, 172.842)

Have a look what the booklet for
CIELCh(21, 21.150, 172.842)
contains.

CIELCh(21, 21.102, 172.999)	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(21, 21.102, 172.999)

Conversions

Conversions Part 1

Format	Color
Hex	003A2E
RGB	0, 58, 46
RGB Percent	0%, 23%, 18%
CMY	0.9992, 0.7718, 0.8189
CMYK	1.00, 0.00, 0.21, 0.77
HSL	168°, 99%, 11%
HSV	168°, 100%, 23%
XYZ	2.0218, 3.2451, 3.1230
YIQ	39.2900, -30.7160, -16.0280

Conversions

Conversions Part 2

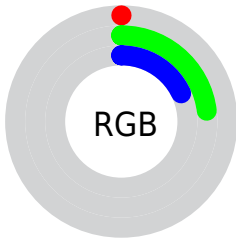
Format	Color
RYB	0, 32, 58
Decimal	14894
CIELab	21.00, -20.94, 2.57
CIELCh	21, 21.102, 172.999
Yxy	3.2451, 0.2410, 0.3868
Android (android.graphics.Color)	4278204974 (0xFF003A2E)
YUV	39.2900, 3.3080, -34.4573
Hunter-Lab	18.0142, -11.4913, 2.3313

Details

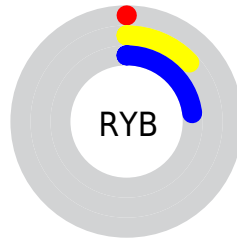
The CIELCh color **21, 21.102, 172.999** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 29.689, 16.213**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **41, 21.041, 173.011**, and **1, 2.954, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **21, 21.155, 172.964**, and if you desaturate by 10%, it is **21, 19.639, 174.046**.

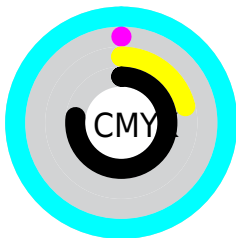
Distribution



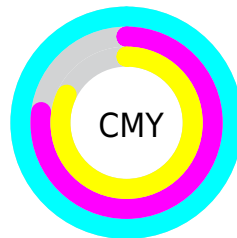
- Red (0%)
- Green (23%)
- Blue (18%)



- Red (0%)
- Yellow (13%)
- Blue (23%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (77%)





- Cyan (100%)
- Magenta (77%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 21, 21.102, 172.999 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 21, 21.102, 172.999 by changing the saturation by 10% instead.

 21, 21.102,
172.999


 21, 21.102,
172.999

 100, 21.102,
172.999


 11, 21.102,
172.999


 41, 21.102,
172.999


 1, 21.102, 172.999

 51, 21.102,
172.999

 0, 21.102, 172.999

 61, 21.102,
172.999

 71, 21.102,
172.999

 81, 21.102,
172.999

 91, 21.102,

172.999

■ 21, 21.102,
172.999

■ 21, 21.102,
172.999

■ 21, 21.155,
172.964

■ 21, 19.639,
174.046

■ 21, 18.216,
175.263

■ 22, 16.603,
176.443

■ 22, 14.739,
177.529

■ 22, 12.648,
178.535

■ 23, 10.359,
179.475

■ 23, 7.906, 180.363

■ 23, 5.324, 181.211

■ 24, 2.645, 182.048

Harmonies

Complementary

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



21, 21.102, 172.999



8, 29.689, 16.213

Rectangle

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



21, 21.102, 172.999



21, 21.102, 222.999



21, 21.102, 352.999



21, 21.102, 42.999

Sweetspot

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



21, 21.102, 172.998



31, 10.019, 180.205



21, 38.997, 134.138



14, 6.694, 180.097



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



21, 21.102, 172.998



28, 25.629, 172.042



15, 15.859, 245.266



10, 1.475, 182.168



34, 29.224, 171.526



78, 56.154, 169.897

Inverse Universe

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



8, 29.689, 16.213



13, 36.807, 21.965



11, 25.996, 41.410



9, 1.516, 3.273



17, 42.410, 24.498



46, 83.023, 29.585

Previews

White Background



This preview shows how the CIELCh color 21, 21.102, 172.999 looks on a white background.

Color Contrast Check

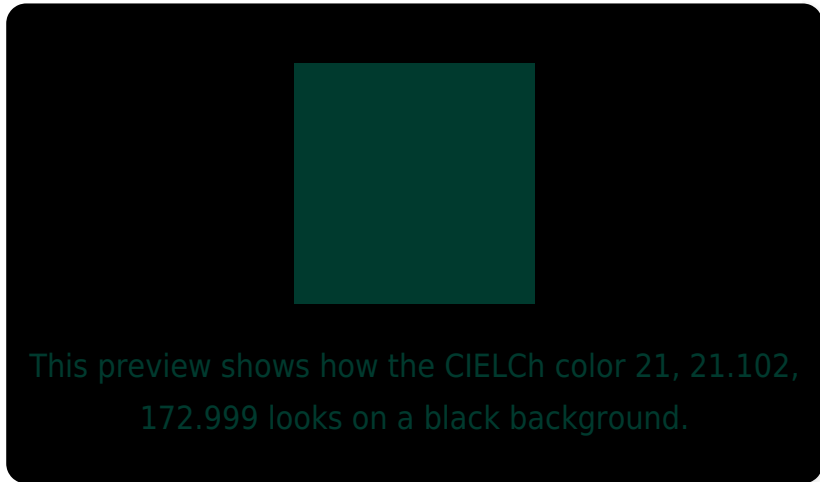
Large Text (above 18pt) WCAG AA ✓ Pass

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 21, 21.102, 172.999

Background



This preview shows how black text looks on a background with the CIELCh color 21, 21.102, 172.999.



This preview shows how white text looks on a background with the CIELCh color 21, 21.102, 172.999.

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

21, 21.102, 172.999

Protanopia

21, 5.567, 93.569

Deuteranopia

21, 3.903, 30.003



Tritanopia
21, 13.493, 211.840

Trichromacy



Original Color
21, 21.102, 172.999

Protanomaly
21, 11.350, 160.716

Deuteranomaly
20, 7.979, 172.598

Tritanomaly
21, 15.464, 194.138

Monochromacy



Original Color
21, 21.102, 172.999

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 9.593, 180.472

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 21, 21.102, 172.999 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(0, 58, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 58, 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(0, 58, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 58, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 21, 21.102, 172.999 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(0, 58, 46) }
```

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

```
.border{ border-color:rgb(0, 58, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 58, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 58, 46); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 58, 46); box-shadow:4px  
4px 4px 4px rgb(0, 58, 46) }
```

Background

The CSS property to change the background color of an element to CIELCh 21, 21.102, 172.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 58, 46) }
```

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

```
.background{ background-color: rgb(0, 58,  
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](#).

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