

Converting Colors

CIELCh(11, 15.163, 255.607)

Have a look what the booklet for
CIELCh(11, 15.163, 255.607)
contains.

CIELCh(11, 14.970, 255.059)	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(11, 14.970, 255.059)

Conversions

Conversions Part 1

Format	Color
Hex	012031
RGB	1, 32, 49
RGB Percent	0%, 13%, 19%
CMY	0.9961, 0.8745, 0.8079
CMYK	0.98, 0.35, 0.00, 0.81
HSL	201°, 96%, 10%
HSV	201°, 98%, 19%
XYZ	1.0832, 1.2610, 3.0917
YIQ	24.6690, -23.9330, -1.2850

Conversions

Conversions Part 2

Format	Color
RYB	1, 20, 49
Decimal	73777
CIELab	11.00, -3.86, -14.46
CIELCh	11, 14.970, 255.059
Yxy	1.2610, 0.1993, 0.2320
Android (android.graphics.Color)	4278263857 (0xFF012031)
YUV	24.6690, 11.9952, -20.7577
Hunter-Lab	11.2295, -2.4331, -8.4630

Details

The CIELCh color **11, 14.970, 255.059** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 20.323, 45.257**, and the grayscale version is **9, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 14.811, 253.914**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 15.245, 255.415**, and if you desaturate by 10%, it is **12, 13.665, 253.004**.

Distribution



- Red (0%)
- Green (13%)
- Blue (19%)



- Red (0%)
- Yellow (8%)
- Blue (19%)



- Cyan (98%)
- Magenta (35%)
- Yellow (0%)
- Black (81%)



- Cyan (100%)
- Magenta (87%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 14.970, 255.059 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 11, 14.970, 255.059 by changing the saturation by 10% instead.

■ 11, 14.970,
255.059

■ 11, 14.970,
255.059

■ 100, 14.970,
255.059

■ 1, 14.970, 255.059

■ 31, 14.970,
255.059

■ 0, 14.970, 255.059

■ 41, 14.970,
255.059

■ 51, 14.970,
255.059

■ 61, 14.970,
255.059

■ 71, 14.970,
255.059

■ 81, 14.970,

255.059

■ 91, 14.970,
255.059

■ 11, 14.970,
255.059

■ 11, 14.970,
255.059

■ 11, 15.245,
255.415

■ 12, 13.665,
253.004

■ 13, 12.435,
250.372

■ 14, 11.163,
247.787

■ 15, 9.783, 245.598

■ 15, 8.296, 243.756

■ 16, 6.711, 242.214

■ 17, 5.038, 240.928

■ 18, 3.290, 239.862

■ 19, 1.480, 239.019

Harmonies

Complementary

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



11, 14.970, 255.059



10, 20.323, 45.257

Rectangle

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



11, 14.970, 255.059



11, 14.970, 305.059



11, 14.970, 75.059



11, 14.970, 125.059

Sweetspot

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



11, 14.970, 255.060



23, 6.488, 241.242



17, 28.615, 147.210



10, 4.491, 241.373



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



11, 14.970, 255.060



15, 18.513, 258.385



4, 28.391, 292.907



8, 1.062, 239.042



23, 23.916, 261.382



56, 47.969, 266.111

Inverse Universe

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



7, 28.201, 344.509



11, 33.941, 345.805



17, 24.172, 94.709



8, 1.819, 337.003



18, 42.150, 347.103



48, 78.914, 349.372

Previews

White Background



This preview shows how the CIELCh color 11, 14.970, 255.059 looks on a white background.

Color Contrast Check

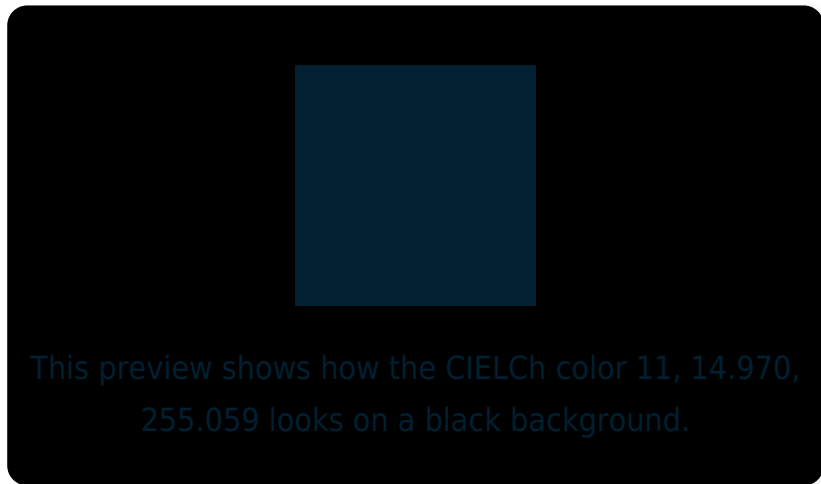
Large Text (above 18pt) WCAG AA ✓ Pass

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

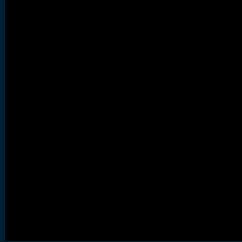
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 14.970, 255.059

Background



This preview shows how black text looks on a background with the CIELCh color 11, 14.970, 255.059.



This preview shows how white text looks on a background with the CIELCh color 11, 14.970, 255.059.

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

11, 14.970, 255.059

Protanopia

11, 12.508, 282.961

Deuteranopia

11, 14.227, 277.896



Tritanopia
11, 12.310, 203.449

Trichromacy



Original Color
11, 14.970, 255.059

Protanomaly
11, 13.221, 269.754

Deuteranomaly
11, 14.235, 267.338

Tritanomaly
11, 12.235, 226.051

Monochromacy



Original Color
11, 14.970, 255.059

Achromatopsia
9, 0.002, 296.813

Achromatomaly
9, 6.640, 240.859

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 14.970, 255.059 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(1, 32, 49)` looks like.

```
.text, #text, p{  
    color:rgb(1, 32, 49)  
}
```

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(1, 32, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 32, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 14.970, 255.059 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(1, 32, 49) }
```

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

```
.border{ border-color:rgb(1, 32, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 32, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 32, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 32, 49); box-shadow:4px  
4px 4px 4px rgb(1, 32, 49) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 14.970, 255.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 32, 49) }
```

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

```
.background{ background-color: rgb(1, 32,  
49) }
```

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