

Converting Colors

CIELCh(11, 28.730, 208.274)

Have a look what the booklet for
CIELCh(11, 28.730, 208.274)
contains.

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Color

CIELCh(13, 13.471, 229.763)

Conversions

Conversions Part 1

Format	Color
Hex	002630
RGB	0, 38, 48
RGB Percent	0%, 15%, 19%
CMY	1.0000, 0.8529, 0.8137
CMYK	1.00, 0.21, 0.00, 0.81
HSL	193°, 100%, 9%
HSV	193°, 100%, 19%
XYZ	1.1961, 1.5625, 2.9817
YIQ	27.7780, -25.8580, -4.9460

Conversions

Conversions Part 2

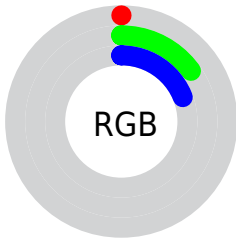
Format	Color
RYB	0, 21, 48
Decimal	9776
CIELab	13.00, -8.70, -10.28
CIELCh	13, 13.471, 229.763
Yxy	1.5625, 0.2084, 0.2722
Android (android.graphics.Color)	4278199856 (0xFF002630)
YUV	27.7780, 9.9694, -24.3613
Hunter-Lab	12.5000, -4.7954, -5.3928

Details

The CIELCh color **13, 13.471, 229.763** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 21.695, 32.506**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 13.422, 229.354**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 13.387, 230.005**, and if you desaturate by 10%, it is **14, 12.437, 228.807**.

Distribution



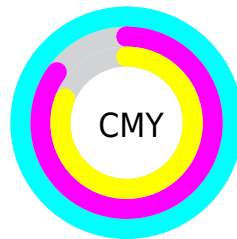
- Red (0%)
- Green (15%)
- Blue (19%)



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



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (81%)



- Cyan (100%)
- Magenta (85%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 13.471, 229.763 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 13, 13.471, 229.763 by changing the saturation by 10% instead.

■ 13, 13.471,
229.763

■ 13, 13.471,
229.763

■ 100, 13.471,
229.763

■ 3, 13.471, 229.763

■ 33, 13.471,
229.763

■ 0, 13.471, 229.763

■ 43, 13.471,
229.763


■ 53, 13.471,
229.763


■ 63, 13.471,
229.763


■ 73, 13.471,
229.763


■ 83, 13.471,


229.763


 93, 13.471,
229.763


 13, 13.471,
229.763

 13, 13.471,
229.763

 13, 13.387,
230.005

 14, 12.437,
228.807

 14, 11.549,
227.270

 15, 10.624,
225.650

 15, 9.521, 224.338

 16, 8.251, 223.291

 17, 6.830, 222.467

■ 17, 5.276, 221.830

■ 18, 3.607, 221.354

■ 19, 1.843, 221.036

Harmonies

Complementary

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



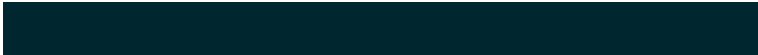
13, 13.471, 229.763



8, 21.695, 32.506

Rectangle

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



13, 13.471, 229.763



13, 13.471, 279.763



13, 13.471, 49.763



13, 13.471, 99.763

Sweetspot

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



13, 13.387, 230.005



23, 6.500, 221.921



16, 31.296, 143.353



10, 4.325, 221.943



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



13, 13.387, 230.005



18, 15.754, 232.058



5, 24.395, 287.577



7, 0.935, 221.672



26, 19.973, 234.393



64, 38.790, 238.221

Inverse Universe

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



7, 30.687, 336.632



11, 36.135, 337.195



14, 20.803, 81.926



7, 1.698, 331.111



18, 45.277, 337.831



49, 85.983, 338.909

Previews

White Background



This preview shows how the CIELCh color 13, 13.471, 229.763 looks on a white background.

Color Contrast Check

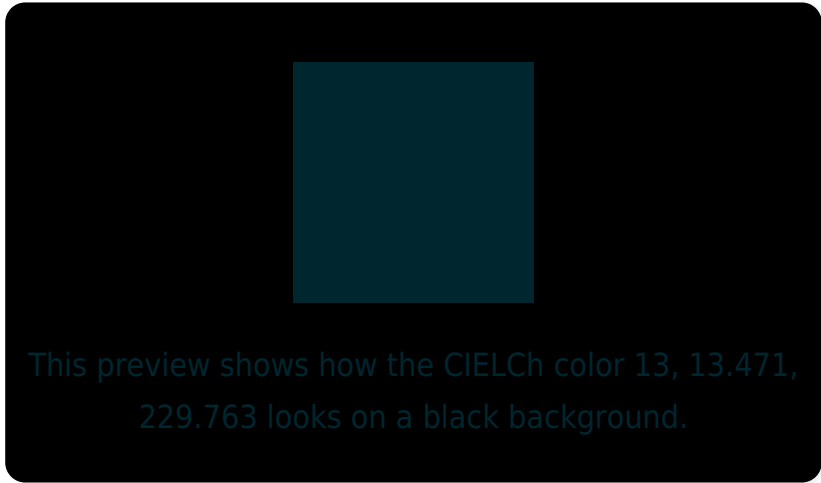
Large Text (above 18pt) WCAG AA ✓ Pass

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

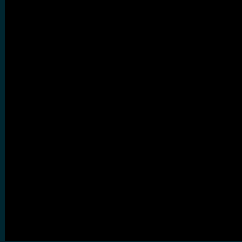
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

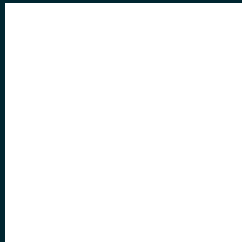
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 13, 13.471, 229.763

Background



This preview shows how black text looks on a background with the CIELCh color 13, 13.471, 229.763.



This preview shows how white text looks on a background with the CIELCh color 13, 13.471, 229.763.

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

13, 13.471, 229.763

Protanopia

13, 7.904, 286.082

Deuteranopia

13, 10.109, 283.518



Tritanopia
13, 13.042, 206.247

Trichromacy



Original Color
13, 13.471, 229.763

Protanomaly
13, 9.609, 254.572

Deuteranomaly
13, 10.856, 258.763

Tritanomaly
13, 12.960, 213.060

Monochromacy



Original Color
13, 13.471, 229.763

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 6.389, 218.304

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 13.471, 229.763 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, 38, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 38, 48)  
}
```

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, 38, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 38, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 13.471, 229.763 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, 38, 48) }
```

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

```
.border{ border-color:rgb(0, 38, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 38, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 38, 48); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 38, 48); box-shadow:4px  
4px 4px 4px rgb(0, 38, 48) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 13.471, 229.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 38, 48) }
```

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

```
.background{ background-color: rgb(0, 38,  
48) }
```

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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