

Converting Colors

CIELCh(8, 28.970, 206.082)

Have a look what the booklet for
CIELCh(8, 28.970, 206.082) contains.

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Color

CIELCh(11, 12.097, 222.385)

Conversions

Conversions Part 1

Format	Color
Hex	002128
RGB	0, 33, 40
RGB Percent	0%, 13%, 16%
CMY	0.9991, 0.8694, 0.8419
CMYK	0.99, 0.17, 0.00, 0.84
HSL	190°, 99%, 8%
HSV	190°, 99%, 16%
XYZ	0.9431, 1.2610, 2.2284
YIQ	23.9310, -21.9150, -4.8190

Conversions

Conversions Part 2

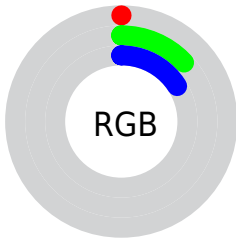
Format	Color
RYB	0, 18, 40
Decimal	8488
CIELab	11.00, -8.94, -8.15
CIELCh	11, 12.097, 222.385
Yxy	1.2610, 0.2128, 0.2845
Android (android.graphics.Color)	4278198568 (0xFF002128)
YUV	23.9310, 7.9220, -20.9875
Hunter-Lab	11.2295, -4.6597, -3.9048

Details

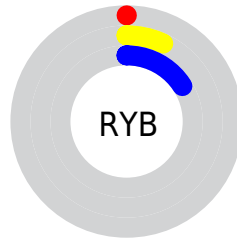
The CIELCh color **11, 12.097, 222.385** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 17.623, 28.884**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 12.013, 223.316**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 12.151, 222.411**, and if you desaturate by 10%, it is **11, 11.154, 221.775**.

Distribution



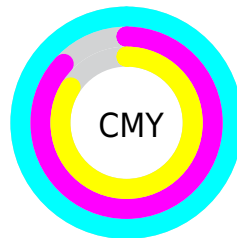
- Red (0%)
- Green (13%)
- Blue (16%)



- Red (0%)
- Yellow (7%)
- Blue (16%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (84%)



- Cyan (100%)
- Magenta (87%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 12.097, 222.385 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, 12.097, 222.385 by changing the saturation by 10% instead.

■ 11, 12.097,
222.385

■ 11, 12.097,
222.385

■ 100, 12.097,
222.385

■ 1, 12.097, 222.385

■ 31, 12.097,
222.385

■ 0, 12.097, 222.385

■ 41, 12.097,
222.385


■ 51, 12.097,
222.385


■ 61, 12.097,
222.385


■ 71, 12.097,
222.385


■ 81, 12.097,


222.385


 91, 12.097,
222.385


 11, 12.097,
222.385

 11, 12.097,
222.385

 11, 12.151,
222.411

 11, 11.154,
221.775

 12, 10.272,
220.896

 12, 9.411, 219.806

 13, 8.413, 218.897

 13, 7.269, 218.186

 14, 5.994, 217.643

■ 14, 4.604, 217.243

■ 15, 3.116, 216.968

■ 16, 1.546, 216.829

Harmonies

Complementary

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



11, 12.097, 222.385



6, 17.623, 28.884

Rectangle

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



11, 12.097, 222.385



11, 12.097, 272.385



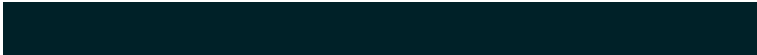
11, 12.097, 42.385



11, 12.097, 92.385

Sweetspot

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



11, 12.097, 222.385



20, 5.926, 217.335



13, 27.629, 145.089



9, 4.091, 217.352



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



11, 12.097, 222.385



16, 14.435, 224.455



4, 19.334, 282.921



6, 0.768, 217.435



27, 19.438, 227.091



66, 37.874, 230.404

Inverse Universe

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



5, 26.704, 334.418



9, 34.058, 335.211



11, 16.463, 78.714



6, 1.405, 329.833



17, 45.492, 335.886



48, 87.520, 336.753

Previews

White Background



This preview shows how the CIELCh color 11, 12.097, 222.385 looks on a white background.

Color Contrast Check

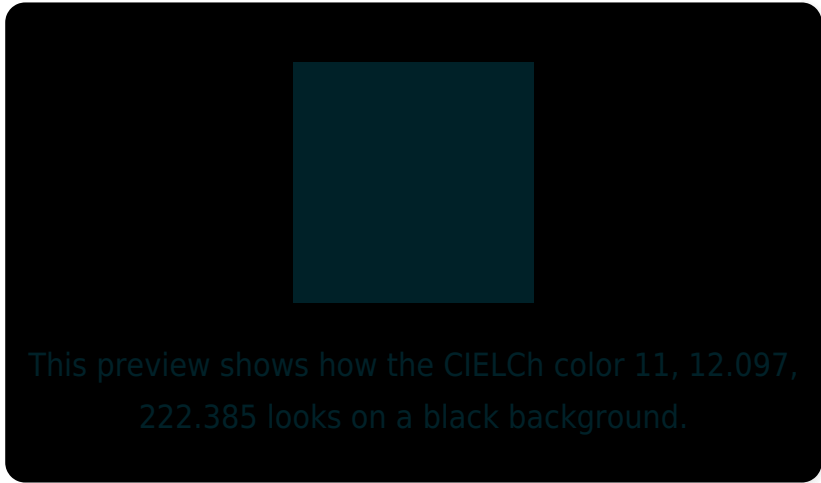
Large Text (above 18pt) WCAG AA ✓ Pass

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

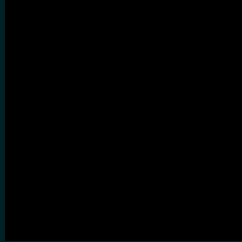
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

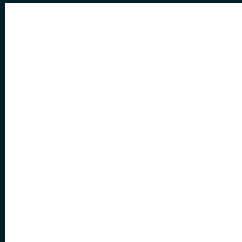
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 11, 12.097, 222.385

Background



This preview shows how black text looks on a background with the CIELCh color 11, 12.097, 222.385.



This preview shows how white text looks on a background with the CIELCh color 11, 12.097, 222.385.

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, 12.097, 222.385

Protanopia

11, 5.882, 283.086

Deuteranopia

11, 8.085, 283.318



Tritanopia
11, 12.310, 203.449

Trichromacy



Original Color

11, 12.097, 222.385

Protanomaly

11, 7.751, 247.991

Deuteranomaly

11, 8.965, 253.818

Tritanomaly

11, 12.165, 210.780

Monochromacy



Original Color

11, 12.097, 222.385

Achromatopsia

8, 0.002, 296.813

Achromatomaly

9, 5.705, 221.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 12.097, 222.385 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, 33, 40)` looks like.

```
.text, #text, p{  
    color:rgb(0, 33, 40)  
}
```

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, 33, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 33, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 12.097, 222.385 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, 33, 40) }
```

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

```
.border{ border-color:rgb(0, 33, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 33, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 33, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 33, 40); box-shadow:4px  
4px 4px 4px rgb(0, 33, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 12.097, 222.385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 33, 40) }
```

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

```
.background{ background-color: rgb(0, 33,  
40) }
```

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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