

Converting Colors

CIELCh(10, 20.306, 190.188)

Have a look what the booklet for
CIELCh(10, 20.306, 190.188)
contains.

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Color

CIELCh(11, 13.100, 189.745)

Conversions

Conversions Part 1

Format	Color
Hex	002220
RGB	0, 34, 32
RGB Percent	0%, 13%, 13%
CMY	0.9995, 0.8659, 0.8738
CMYK	1.00, 0.00, 0.06, 0.87
HSL	176°, 99%, 7%
HSV	176°, 100%, 13%
XYZ	0.8423, 1.2610, 1.5787
YIQ	23.6060, -19.6220, -7.8300

Conversions

Conversions Part 2

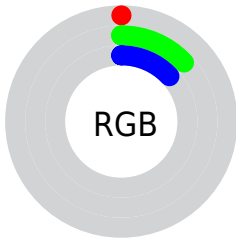
Format	Color
RYB	0, 18, 34
Decimal	8736
CIELab	11.00, -12.91, -2.22
CIELCh	11, 13.100, 189.745
Yxy	1.2610, 0.2288, 0.3425
Android (android.graphics.Color)	4278198816 (0xFF002220)
YUV	23.6060, 4.1382, -20.7025
Hunter-Lab	11.2295, -6.2631, -0.4748

Details

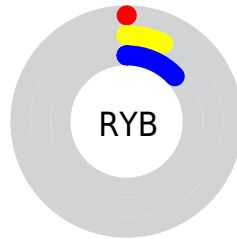
The CIELCh color **11, 13.100, 189.745** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3, 14.749, 16.263**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **31, 13.360, 189.179**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 13.143, 189.730**, and if you desaturate by 10%, it is **11, 11.973, 190.118**.

Distribution



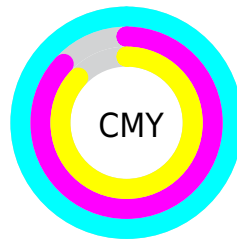
- Red (0%)
- Green (13%)
- Blue (13%)



- Red (0%)
- Yellow (7%)
- Blue (13%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (87%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 13.100, 189.745 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, 13.100, 189.745 by changing the saturation by 10% instead.

 11, 13.100,
189.745


 11, 13.100,
189.745


 100, 13.100,
189.745


 1, 13.100, 189.745


 31, 13.100,
189.745


 0, 13.100, 189.745

 41, 13.100,
189.745


 51, 13.100,
189.745


 61, 13.100,
189.745


 71, 13.100,
189.745


 81, 13.100,


189.745


 91, 13.100,
189.745

 11, 13.100,
189.745

 11, 13.100,
189.745

 11, 13.143,
189.730

 11, 11.973,
190.118

 11, 10.899,
190.535

 11, 9.873, 191.007

 12, 8.779, 191.504

 12, 7.551, 192.003

 12, 6.204, 192.509

■ 12, 4.753, 193.023

■ 13, 3.214, 193.552

■ 13, 1.604, 194.120

Harmonies

Complementary

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



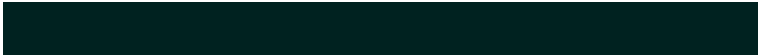
11, 13.100, 189.745



3, 14.749, 16.263

Rectangle

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



11, 13.100, 189.745



11, 13.100, 239.745



11, 13.100, 9.745



11, 13.100, 59.745

Sweetspot

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



11, 13.100, 189.744



17, 5.862, 192.902



10, 24.723, 142.646



7, 3.571, 193.741



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



11, 13.100, 189.744



15, 15.147, 189.312



5, 12.327, 263.333



5, 0.709, 194.462



31, 22.929, 188.438



76, 45.396, 187.697

Inverse Universe

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



3, 14.749, 16.263



5, 21.966, 17.143



6, 12.078, 50.484



5, 0.709, 14.590



14, 40.673, 30.118



44, 87.651, 37.986

Previews

White Background



This preview shows how the CIELCh color 11, 13.100, 189.745 looks on a white background.

Color Contrast Check

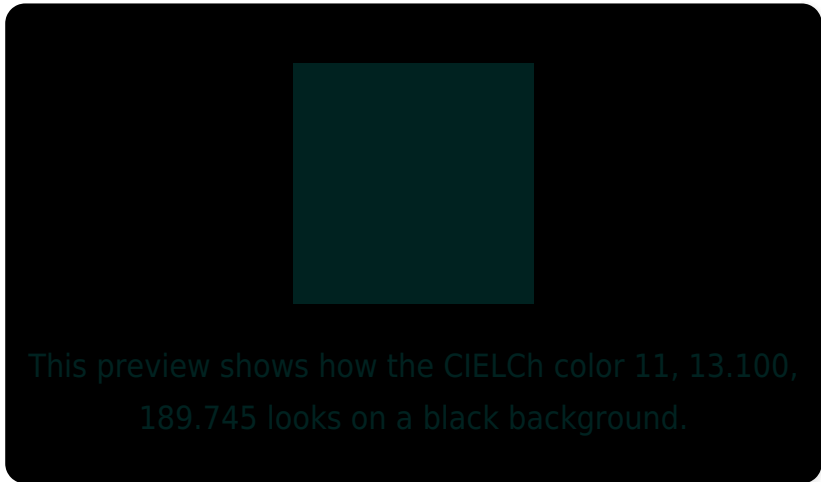
Large Text (above 18pt) WCAG AA ✓ Pass

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

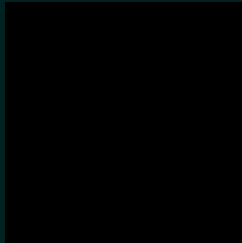
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

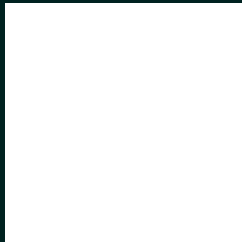
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 11, 13.100, 189.745

Background



This preview shows how black text looks on a background with the CIELCh color 11, 13.100, 189.745.



This preview shows how white text looks on a background with the CIELCh color 11, 13.100, 189.745.

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, 13.100, 189.745

Protanopia

11, 0.504, 19.233

Deuteranopia

11, 3.290, 317.663



Tritanopia
11, 10.019, 205.532

Trichromacy



Original Color
11, 13.100, 189.745

Protanomaly
11, 5.635, 190.475

Deuteranomaly
11, 5.144, 214.883

Tritanomaly
11, 10.953, 200.671

Monochromacy



Original Color
11, 13.100, 189.745

Achromatopsia
8, 0.002, 296.813

Achromatomaly
9, 6.078, 190.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 13.100, 189.745 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, 34, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 34, 32)  
}
```

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, 34, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 34, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 13.100, 189.745 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, 34, 32) }
```

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

```
.border{ border-color:rgb(0, 34, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 34, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 34, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 34, 32); box-shadow:4px  
4px 4px 4px rgb(0, 34, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 13.100, 189.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 34, 32) }
```

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

```
.background{ background-color: rgb(0, 34,  
32) }
```

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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