

Converting Colors

CIELCh(13, 22.358, 153.461)

Have a look what the booklet for
CIELCh(13, 22.358, 153.461)
contains.

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Color

CIELCh(13, 22.270, 153.246)

Conversions

Conversions Part 1

Format	Color
Hex	012813
RGB	1, 40, 19
RGB Percent	0%, 16%, 7%
CMY	0.9964, 0.8436, 0.9259
CMYK	0.98, 0.00, 0.53, 0.84
HSL	148°, 95%, 8%
HSV	148°, 98%, 16%
XYZ	0.8831, 1.5625, 0.8661
YIQ	25.9450, -16.5030, -14.7990

Conversions

Conversions Part 2

Format	Color
R_YB	1, 28, 40
Decimal	75795
CIE Lab	13.00, -19.89, 10.03
CIE LCh	13, 22.270, 153.246
Yxy	1.5625, 0.2667, 0.4718
Android (android.graphics.Color)	4278265875 (0xFF012813)
YUV	25.9450, -3.4239, -21.8768
Hunter-Lab	12.5000, -9.2643, 4.6417

Details

The CIELCh color **13, 22.270, 153.246** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 21.248, 351.115**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 22.717, 152.954**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 22.758, 153.184**, and if you desaturate by 10%, it is **13, 20.171, 153.801**.

Distribution



Red (0%)

Green (16%)

Blue (7%)



Red (0%)

Yellow (11%)

Blue (16%)

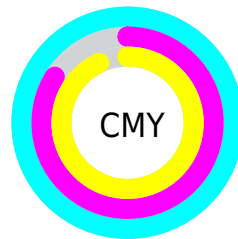


Cyan (98%)

Magenta (0%)

Yellow (53%)

Black (84%)



Cyan (100%)


Magenta (84%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 22.270, 153.246 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, 22.270, 153.246 by changing the saturation by 10% instead.

 13, 22.270,
153.246

 13, 22.270,
153.246


 100, 22.270,
153.246


 3, 22.270, 153.246


 33, 22.270,
153.246

 0, 22.270, 153.246

 43, 22.270,
153.246

 53, 22.270,
153.246


 63, 22.270,
153.246


 73, 22.270,
153.246


 83, 22.270,


153.246


 93, 22.270,
153.246


 13, 22.270,
153.246


 13, 22.270,
153.246


 13, 22.758,
153.184

 13, 20.171,
153.801

 13, 18.111,
154.762

 14, 16.058,
155.953

 14, 13.880,
157.045

 14, 11.594,
158.031

■ 15, 9.227, 158.925

■ 15, 6.805, 159.738

■ 15, 4.352, 160.485

■ 16, 1.887, 161.198

Harmonies

Complementary

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



13, 22.270, 153.246



5, 21.248, 351.115

Rectangle

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



13, 22.270, 153.246



13, 22.270, 203.246



13, 22.270, 333.246



13, 22.270, 23.246

Sweetspot

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



13, 22.270, 153.246



20, 8.772, 159.497



14, 24.703, 127.886



8, 5.544, 159.448



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



13, 22.270, 153.246



18, 27.250, 151.535



14, 14.045, 190.548



6, 1.153, 161.139



31, 39.632, 149.295



75, 80.833, 147.049

Inverse Universe

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



5, 21.248, 351.115



7, 28.036, 352.044



4, 19.012, 17.083



6, 1.139, 342.093



16, 38.613, 355.102



46, 74.182, 358.737

Previews

White Background



This preview shows how the CIELCh color 13, 22.270, 153.246 looks on a white background.

Color Contrast Check

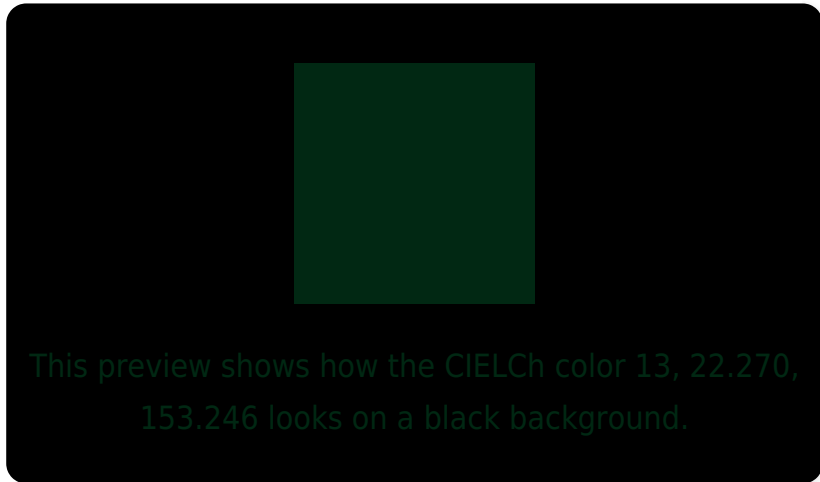
Large Text (above 18pt) WCAG AA ✓ Pass

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

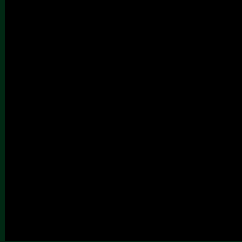
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 22.270, 153.246

Background



This preview shows how black text looks on a background with the CIELCh color 13, 22.270, 153.246.



This preview shows how white text looks on a background with the CIELCh color 13, 22.270, 153.246.

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, 22.270, 153.246

Protanopia

13, 11.958, 96.032

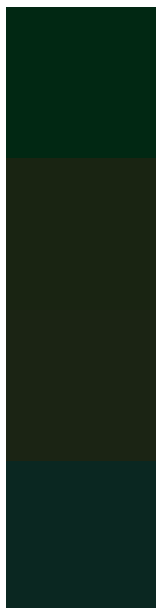
Deuteranopia

13, 9.977, 77.462



Tritanopia
14, 9.280, 210.952

Trichromacy



Original Color
13, 22.270, 153.246

Protanomaly
13, 13.834, 131.443

Deuteranomaly
13, 12.233, 129.725

Tritanomaly
13, 12.721, 176.662

Monochromacy



Original Color
13, 22.270, 153.246

Achromatopsia
9, 0.003, 296.813

Achromatomaly
10, 9.119, 156.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 22.270, 153.246 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, 40, 19)` looks like.

```
.text, #text, p{  
    color:rgb(1, 40, 19)  
}
```

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, 40, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 40, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 22.270, 153.246 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, 40, 19) }
```

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

```
.border{ border-color:rgb(1, 40, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 40, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 40, 19); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 40, 19); box-shadow:4px  
4px 4px 4px rgb(1, 40, 19) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 22.270, 153.246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 40, 19) }
```

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

```
.background{ background-color: rgb(1, 40,  
19) }
```

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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