

Converting Colors

CIELCh(13, 17.014, 167.524)

Have a look what the booklet for
CIELCh(13, 17.014, 167.524)
contains.

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Color

CIELCh(13, 16.905, 167.741)

Conversions

Conversions Part 1

Format	Color
Hex	02271C
RGB	2, 39, 28
RGB Percent	1%, 15%, 11%
CMY	0.9916, 0.8463, 0.8895
CMYK	0.95, 0.00, 0.28, 0.85
HSL	162°, 90%, 8%
HSV	162°, 95%, 15%
XYZ	0.9707, 1.5625, 1.3606
YIQ	26.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

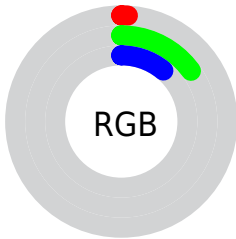
Format	Color
R_{YB}	2, 24, 39
Decimal	141084
CIE _{Lab}	13.00, -16.52, 3.59
CIE _{LCh}	13, 16.905, 167.741
Yxy	1.5625, 0.2493, 0.4013
Android (android.graphics.Color)	4278331164 (0xFF02271C)
YUV	26.6830, 0.6493, -21.6470
Hunter-Lab	12.5000, -8.0135, 2.2966

Details

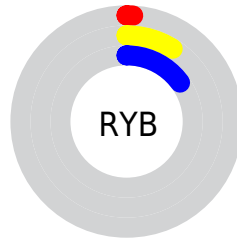
The CIELCh color **13, 16.905, 167.741** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5, 18.576, 5.360**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 16.815, 167.826**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 17.799, 167.395**, and if you desaturate by 10%, it is **13, 15.337, 168.522**.

Distribution



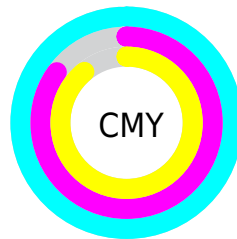
- Red (1%)
- Green (15%)
- Blue (11%)



- Red (1%)
- Yellow (9%)
- Blue (15%)



- Cyan (95%)
- Magenta (0%)
- Yellow (28%)
- Black (85%)





- Cyan (99%)
- Magenta (85%)
- Yellow (89%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 16.905, 167.741 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, 16.905, 167.741 by changing the saturation by 10% instead.

 13, 16.905,
167.741


 13, 16.905,
167.741


 100, 16.905,
167.741


 3, 16.905, 167.741


 33, 16.905,
167.741

 0, 16.905, 167.741

 43, 16.905,
167.741


 53, 16.905,
167.741


 63, 16.905,
167.741


 73, 16.905,
167.741


 83, 16.905,


167.741


 93, 16.905,
167.741


 13, 16.905,
167.741


 13, 16.905,
167.741

 13, 17.799,
167.395

 13, 15.337,
168.522

 13, 13.840,
169.541

 14, 12.304,
170.654

 14, 10.631,
171.679

 14, 8.841, 172.628

■ 14, 6.955, 173.514

■ 15, 4.994, 174.347

■ 15, 2.979, 175.145

■ 16, 0.929, 175.996

Harmonies

Complementary

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



13, 16.905, 167.741



5, 18.576, 5.360

Rectangle

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



13, 16.905, 167.741



13, 16.905, 217.741



13, 16.905, 347.741



13, 16.905, 37.741

Sweetspot

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



13, 16.905, 167.740



20, 7.094, 173.910



13, 25.724, 136.046



8, 4.581, 173.711



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, 16.905, 167.740



18, 21.307, 166.000



10, 11.373, 226.176



6, 0.985, 175.623



31, 30.520, 163.974



75, 61.373, 161.857

Inverse Universe

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



5, 18.576, 5.360



7, 26.656, 8.652



6, 16.102, 30.346



6, 0.977, 356.681



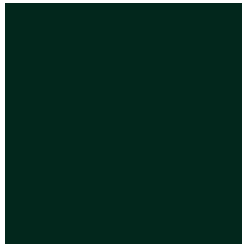
15, 38.328, 16.288



45, 76.527, 21.925

Previews

White Background



This preview shows how the CIELCh color 13, 16.905, 167.741 looks on a white background.

Color Contrast Check

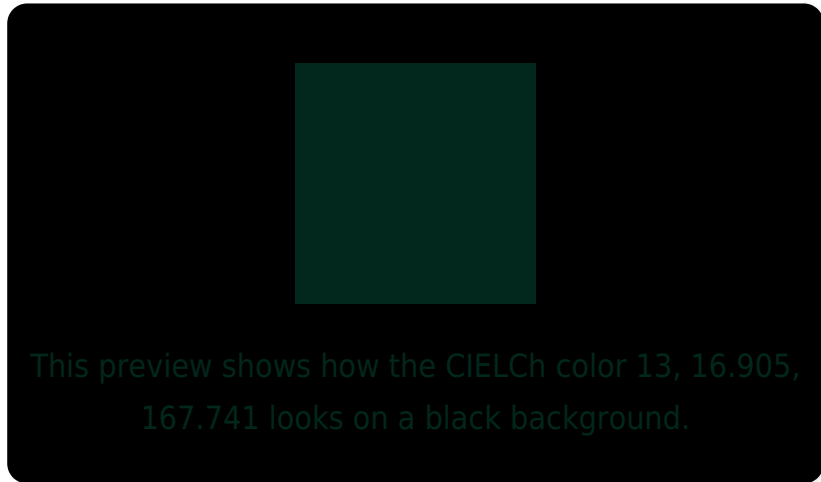
Large Text (above 18pt) WCAG AA ✓ Pass

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

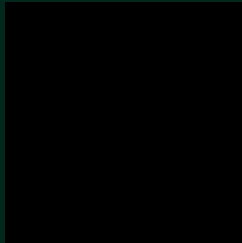
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 16.905, 167.741

Background



This preview shows how black text looks on a background with the CIELCh color 13, 16.905, 167.741.



This preview shows how white text looks on a background with the CIELCh color 13, 16.905, 167.741.

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, 16.905, 167.741

Protanopia

13, 5.920, 92.849

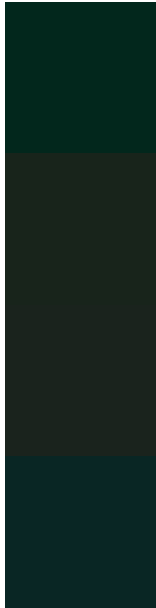
Deuteranopia

13, 3.790, 54.262



Tritanopia
13, 9.833, 210.070

Trichromacy



Original Color
13, 16.905, 167.741

Protanomaly
13, 8.814, 150.406

Deuteranomaly
13, 6.234, 154.169

Tritanomaly
13, 11.481, 189.513

Monochromacy



Original Color
13, 16.905, 167.741

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 6.919, 172.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 16.905, 167.741 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(2, 39, 28)` looks like.

```
.text, #text, p{  
    color:rgb(2, 39, 28)  
}
```

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(2, 39, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 39, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 16.905, 167.741 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(2, 39, 28) }
```

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

```
.border{ border-color:rgb(2, 39, 28) }
```

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

Here you see how a box with a 4 pixel rgb(2, 39, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 39, 28); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 39, 28); box-shadow:4px  
4px 4px 4px rgb(2, 39, 28) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 16.905, 167.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 39, 28) }
```

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

```
.background{ background-color: rgb(2, 39,  
28) }
```

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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