

Converting Colors

CIELCh(17, 34.634, 140.824)

Have a look what the booklet for
CIELCh(17, 34.634, 140.824)
contains.

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Color

CIELCh(17, 34.383, 140.813)

Conversions

Conversions Part 1

Format	Color
Hex	003205
RGB	0, 50, 5
RGB Percent	0%, 20%, 2%
CMY	0.9997, 0.8035, 0.9798
CMYK	1.00, 0.00, 0.90, 0.80
HSL	126°, 100%, 10%
HSV	126°, 100%, 20%
XYZ	1.1744, 2.3023, 0.5303
YIQ	29.9200, -15.3550, -24.5950

Conversions

Conversions Part 2

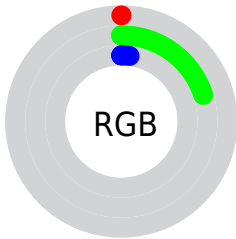
Format	Color
R_{YB}	0, 45, 50
Decimal	12805
CIE _{Lab}	17.00, -26.65, 21.73
CIE _{LCh}	17, 34.383, 140.813
Yxy	2.3023, 0.2931, 0.5746
Android (android.graphics.Color)	4278202885 (0xFF003205)
YUV	29.9200, -12.2856, -26.2398
Hunter-Lab	15.1734, -12.7382, 8.5492

Details

The CIELCh color **17, 34.383, 140.813** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 34.279, 331.943**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 33.986, 140.978**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 34.418, 140.815**, and if you desaturate by 10%, it is **17, 31.901, 140.781**.

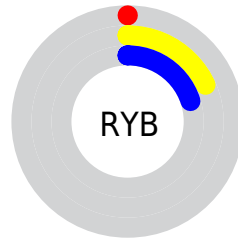
Distribution



Red (0%)

Green (20%)

Blue (2%)



Red (0%)

Yellow (18%)

Blue (20%)

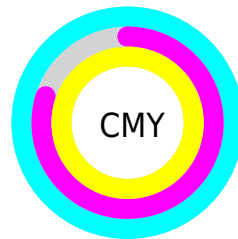


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (80%)



Cyan (100%)


Magenta (80%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 34.383, 140.813 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 17, 34.383, 140.813 by changing the saturation by 10% instead.

 17, 34.383,
140.813


 17, 34.383,
140.813


 100, 34.383,
140.813


 7, 34.383, 140.813

 37, 34.383,
140.813

 0, 34.383, 140.813

 47, 34.383,
140.813


 57, 34.383,
140.813


 67, 34.383,
140.813


 77, 34.383,
140.813


 87, 34.383,


140.813


 97, 34.383,
140.813


 17, 34.383,
140.813

 17, 34.383,
140.813

 17, 34.418,
140.815

 17, 31.901,
140.781

 17, 29.334,
141.121

 18, 26.318,
142.033

 18, 22.920,
143.065

 18, 19.299,
144.006

■ 19, 15.522,
144.849

■ 19, 11.651,
145.597

■ 20, 7.738, 146.258

■ 20, 3.824, 146.848

Harmonies

Complementary

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



17, 34.383, 140.813



8, 34.279, 331.943

Rectangle

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



17, 34.383, 140.813



17, 34.383, 190.813



17, 34.383, 320.813



17, 34.383, 10.813

Sweetspot

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



17, 34.383, 140.813



26, 14.804, 145.467



19, 28.920, 109.289



11, 9.879, 145.418



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



17, 34.383, 140.813



23, 42.853, 138.570



17, 23.442, 159.108



9, 2.172, 146.938



32, 53.250, 137.867



76, 103.908, 136.817

Inverse Universe

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



8, 34.279, 331.943



13, 40.942, 332.180



7, 26.471, 2.086



8, 2.177, 327.680



19, 49.894, 332.385



50, 94.322, 332.788

Previews

White Background



This preview shows how the CIELCh color 17, 34.383, 140.813 looks on a white background.

Color Contrast Check

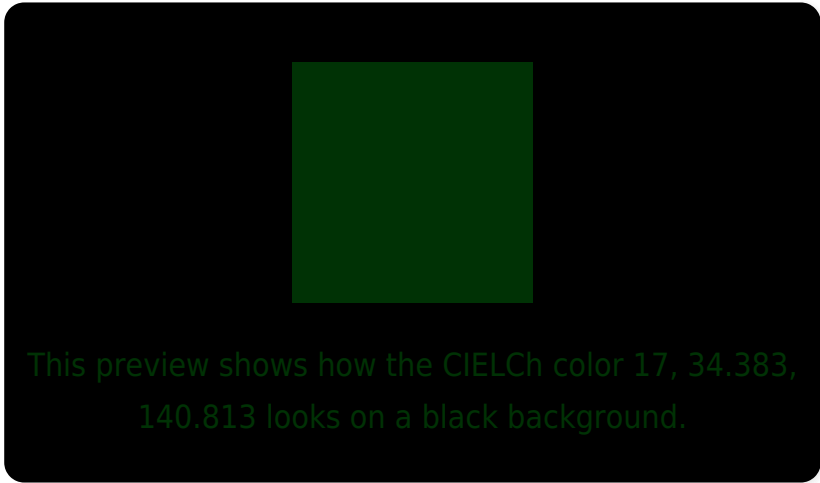
Large Text (above 18pt) WCAG AA ✓ Pass

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

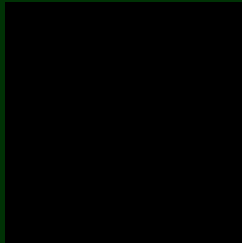
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 34.383, 140.813

Background



This preview shows how black text looks on a background with the CIELCh color 17, 34.383, 140.813.



This preview shows how white text looks on a background with the CIELCh color 17, 34.383, 140.813.

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
17, 34.383, 140.813

Protanopia
17, 24.649, 97.799

Deuteranopia
17, 20.392, 83.995



Tritanopia
18, 10.255, 209.281

Trichromacy



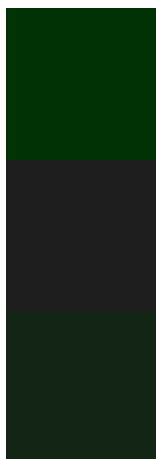
Original Color
17, 34.383, 140.813

Protanomaly
17, 26.689, 122.065

Deuteranomaly
16, 22.085, 119.195

Tritanomaly
17, 17.579, 162.443

Monochromacy



Original Color
17, 34.383, 140.813

Achromatopsia
11, 0.003, 296.813

Achromatomaly
13, 14.504, 144.703

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 34.383, 140.813 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, 50, 5)` looks like.

```
.text, #text, p{  
    color:rgb(0, 50, 5)  
}
```

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, 50, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 50, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 34.383, 140.813 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, 50, 5) }
```

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

```
.border{ border-color:rgb(0, 50, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 50, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 50, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 50, 5); box-shadow:4px  
4px 4px 4px rgb(0, 50, 5) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 34.383, 140.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 50, 5) }
```

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

```
.background{ background-color: rgb(0, 50,  
5) }
```

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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