

Converting Colors

CIELCh(17, 34.783, 138.862)

Have a look what the booklet for
CIELCh(17, 34.783, 138.862)
contains.

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Color

CIELCh(17, 34.908, 138.692)

Conversions

Conversions Part 1

Format	Color
Hex	033202
RGB	3, 50, 2
RGB Percent	1%, 20%, 1%
CMY	0.9883, 0.8040, 0.9923
CMYK	0.94, 0.00, 0.96, 0.80
HSL	119°, 92%, 10%
HSV	119°, 96%, 20%
XYZ	1.1875, 2.3023, 0.4382
YIQ	30.4750, -12.6040, -24.8920

Conversions

Conversions Part 2

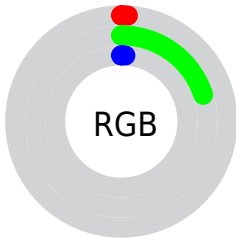
Format	Color
R_YB	2, 50, 49
Decimal	209410
CIE _{Lab}	17.00, -26.22, 23.04
CIE _{LCh}	17, 34.908, 138.692
Yxy	2.3023, 0.3023, 0.5861
Android (android.graphics.Color)	4278399490 (0xFF033202)
YUV	30.4750, -14.0382, -24.0956
Hunter-Lab	15.1734, -12.5842, 8.9093

Details

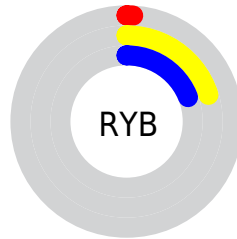
The CIELCh color **17, 34.908, 138.692** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 35.392, 327.415**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 34.997, 138.484**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 35.964, 138.710**, and if you desaturate by 10%, it is **17, 32.288, 138.752**.

Distribution



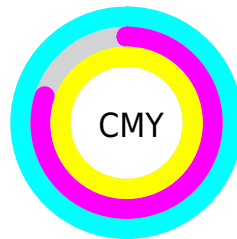
- Red (1%)
- Green (20%)
- Blue (1%)



- Red (1%)
- Yellow (20%)
- Blue (19%)



- Cyan (94%)
- Magenta (0%)
- Yellow (96%)
- Black (80%)





- Cyan (99%)
- Magenta (80%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 34.908, 138.692 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, 34.908, 138.692 by changing the saturation by 10% instead.

 17, 34.908,
138.692

 17, 34.908,
138.692

 100, 34.908,
138.692

 7, 34.908, 138.692

 37, 34.908,
138.692

 0, 34.908, 138.692

 47, 34.908,
138.692

 57, 34.908,
138.692

 67, 34.908,
138.692

 77, 34.908,
138.692


 87, 34.908,


138.692


 97, 34.908,
138.692


 17, 34.908,
138.692


 17, 34.908,
138.692


 17, 35.964,
138.710

 17, 32.288,
138.752

 17, 29.681,
138.941

 18, 26.545,
139.420

 18, 22.890,
140.281

 18, 18.992,
141.100

■ 19, 14.942,
141.845

■ 19, 10.808,
142.512

■ 20, 6.644, 143.102

■ 20, 2.495, 143.638

Harmonies

Complementary

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



17, 34.908, 138.692



8, 35.392, 327.415

Rectangle

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



17, 34.908, 138.692



17, 34.908, 188.692



17, 34.908, 318.692



17, 34.908, 8.692

Sweetspot

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



17, 34.908, 138.692



25, 14.752, 142.230



19, 27.132, 102.071



11, 10.229, 142.175



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, 34.908, 138.692



22, 43.650, 136.484



17, 25.796, 152.254



9, 2.313, 143.548



32, 55.529, 135.812



76, 105.843, 135.944

Inverse Universe

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



8, 35.392, 327.415



12, 42.857, 327.495



7, 26.597, 351.900



8, 2.319, 324.216



19, 53.774, 327.455



51, 102.320, 327.388

Previews

White Background



This preview shows how the CIELCh color 17, 34.908, 138.692 looks on a white background.

Color Contrast Check

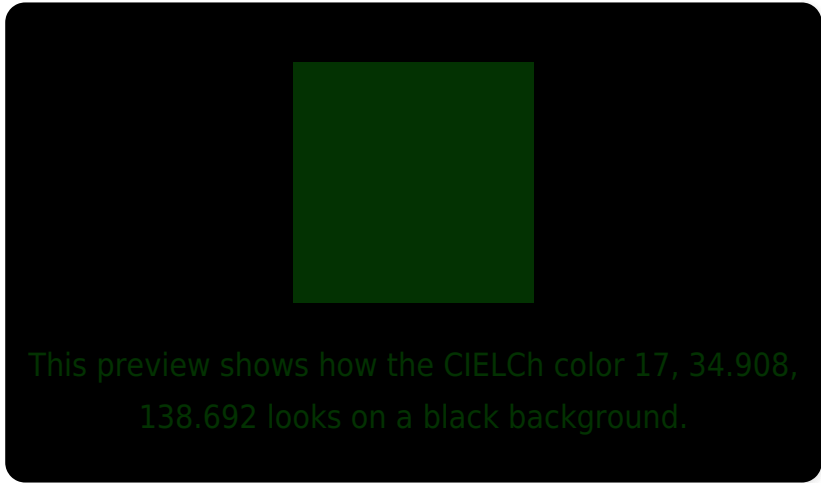
Large Text (above 18pt) WCAG AA ✓ Pass

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

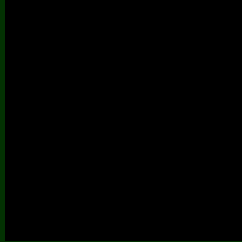
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 34.908, 138.692

Background



This preview shows how black text looks on a background with the CIELCh color 17, 34.908, 138.692.



This preview shows how white text looks on a background with the CIELCh color 17, 34.908, 138.692.

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

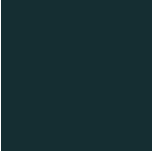
17, 34.908, 138.692

Protanopia

17, 25.050, 97.854

Deuteranopia

17, 20.812, 84.322



Tritanopia
17, 9.997, 213.863

Trichromacy



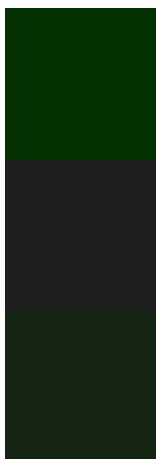
Original Color
17, 34.908, 138.692

Protanomaly
17, 27.305, 120.540

Deuteranomaly
16, 22.738, 117.372

Tritanomaly
17, 17.127, 161.392

Monochromacy



Original Color
17, 34.908, 138.692

Achromatopsia
11, 0.003, 296.813

Achromatomaly
13, 14.790, 141.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 34.908, 138.692 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(3, 50, 2)` looks like.

```
.text, #text, p{  
    color:rgb(3, 50, 2)  
}
```

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(3, 50, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 50, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 34.908, 138.692 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(3, 50, 2) }
```

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

```
.border{ border-color:rgb(3, 50, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 50, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 50, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 50, 2); box-shadow:4px  
4px 4px 4px rgb(3, 50, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 34.908, 138.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 50, 2) }
```

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

```
.background{ background-color: rgb(3, 50,  
2) }
```

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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