

Converting Colors

CIELCh(18, 34.889, 132.754)

Have a look what the booklet for
CIELCh(18, 34.889, 132.754)
contains.

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Color

CIELCh(18, 34.752, 133.020)

Conversions

Conversions Part 1

Format	Color
Hex	103400
RGB	16, 52, 0
RGB Percent	6%, 20%, 0%
CMY	0.9389, 0.7980, 1.0000
CMYK	0.70, 0.00, 1.00, 0.80
HSL	102°, 100%, 10%
HSV	102°, 100%, 20%
XYZ	1.4095, 2.5180, 0.3934
YIQ	35.3080, -4.7640, -23.8040

Conversions

Conversions Part 2

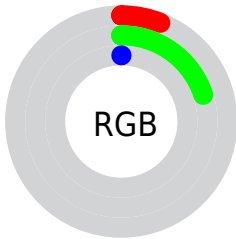
Format	Color
RYB	0, 52, 36
Decimal	1061888
CIELab	18.00, -23.71, 25.41
CIELCh	18, 34.752, 133.020
Yxy	2.5180, 0.3262, 0.5828
Android (android.graphics.Color)	4279251968 (0xFF103400)
YUV	35.3080, -17.4068, -16.9331
Hunter-Lab	15.8683, -11.9142, 9.6380

Details

The CIELCh color **18, 34.752, 133.020** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 37.098, 318.095**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 34.704, 133.018**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 34.517, 133.216**, and if you desaturate by 10%, it is **18, 31.964, 133.116**.

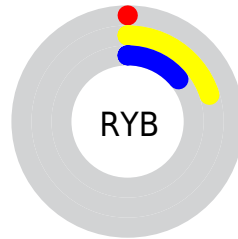
Distribution



Red (6%)

Green (20%)

Blue (0%)



Red (0%)

Yellow (20%)

Blue (14%)

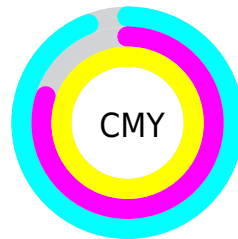


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (80%)



Cyan (94%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 34.752, 133.020 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 18, 34.752, 133.020 by changing the saturation by 10% instead.

 18, 34.752,
133.020


 18, 34.752,
133.020

 100, 34.752,
133.020


 8, 34.752, 133.020


 38, 34.752,
133.020

 0, 34.752, 133.020

 48, 34.752,
133.020


 58, 34.752,
133.020


 68, 34.752,
133.020


 78, 34.752,
133.020


 88, 34.752,


133.020


 98, 34.752,
133.020

 18, 34.752,
133.020


 18, 34.752,
133.020


 18, 34.517,
133.216

 18, 31.964,
133.116

 18, 29.376,
132.839

 19, 26.450,
132.728

 19, 23.005,
133.107

 19, 19.341,
133.567

■ 20, 15.548,
134.035

■ 20, 11.681,
134.489

■ 21, 7.781, 134.918

■ 21, 3.878, 135.320

Harmonies

Complementary

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



18, 34.752, 133.020



6, 37.098, 318.095

Rectangle

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



18, 34.752, 133.020



18, 34.752, 183.020



18, 34.752, 313.020



18, 34.752, 3.020

Sweetspot

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



18, 34.517, 133.216



26, 14.433, 134.422



15, 22.579, 80.175



12, 9.626, 134.425



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 34.517, 133.216



24, 42.607, 131.918



18, 33.733, 142.097



9, 2.121, 135.413



33, 52.982, 132.119



76, 102.174, 133.241

Inverse Universe

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



6, 37.098, 318.095



9, 45.275, 318.378



8, 33.083, 335.542



8, 2.137, 315.922



14, 55.480, 317.967



41, 106.031, 317.189

Previews

White Background



This preview shows how the CIELCh color 18, 34.752, 133.020 looks on a white background.

Color Contrast Check

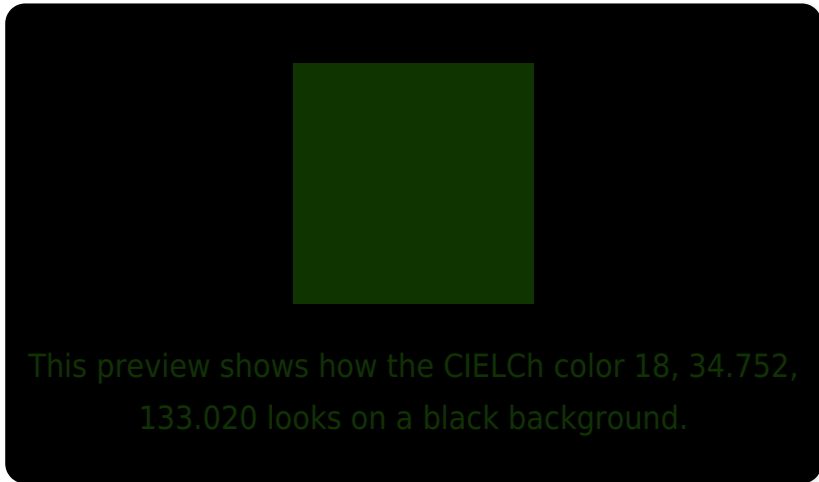
Large Text (above 18pt) WCAG AA ✓ Pass

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

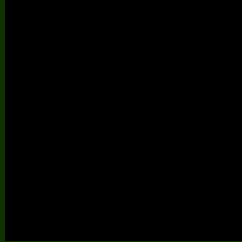
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 34.752, 133.020

Background



This preview shows how black text looks on a background with the CIELCh color 18, 34.752, 133.020.



This preview shows how white text looks on a background with the CIELCh color 18, 34.752, 133.020.

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
18, 34.752, 133.020

Protanopia
18, 26.215, 97.930

Deuteranopia
18, 21.609, 83.430



Tritanopia
18, 9.107, 215.570

Trichromacy



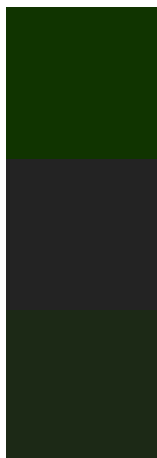
Original Color
18, 34.752, 133.020

Protanomaly
18, 27.685, 115.651

Deuteranomaly
17, 23.255, 110.127

Tritanomaly
18, 16.501, 154.527

Monochromacy



Original Color
18, 34.752, 133.020

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 14.764, 133.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 34.752, 133.020 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(16, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(16, 52, 0)  
}
```

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(16, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 52, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 34.752, 133.020 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(16, 52, 0) }
```

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

```
.border{ border-color:rgb(16, 52, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 52, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 52, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(16, 52, 0); box-shadow:4px  
4px 4px 4px rgb(16, 52, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 34.752, 133.020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 52, 0) }
```

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

```
.background{ background-color: rgb(16, 52,  
0) }
```

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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