

Converting Colors

CIELCh(17, 44.165, 150.546)

Have a look what the booklet for
CIELCh(17, 44.165, 150.546)
contains.

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Color

CIELCh(18, 36.147, 140.066)

Conversions

Conversions Part 1

Format	Color
Hex	003504
RGB	0, 53, 4
RGB Percent	0%, 21%, 2%
CMY	1.0000, 0.7937, 0.9824
CMYK	1.00, 0.00, 0.91, 0.79
HSL	125°, 100%, 10%
HSV	125°, 100%, 21%
XYZ	1.2760, 2.5180, 0.5475
YIQ	31.5670, -15.8590, -26.4750

Conversions

Conversions Part 2

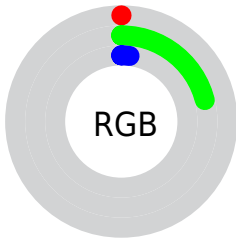
Format	Color
RYB	0, 49, 53
Decimal	13572
CIELab	18.00, -27.72, 23.20
CIELCh	18, 36.147, 140.066
Yxy	2.5180, 0.2939, 0.5800
Android (android.graphics.Color)	4278203652 (0xFF003504)
YUV	31.5670, -13.5905, -27.6843
Hunter-Lab	15.8683, -13.4158, 9.0621

Details

The CIELCh color **18, 36.147, 140.066** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **9, 35.748, 331.341**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 36.828, 139.845**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 36.097, 139.975**, and if you desaturate by 10%, it is **18, 33.532, 140.058**.

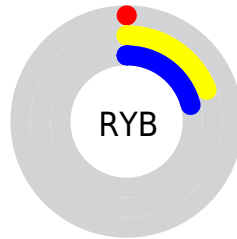
Distribution



Red (0%)

Green (21%)

Blue (2%)



Red (0%)

Yellow (19%)

Blue (21%)

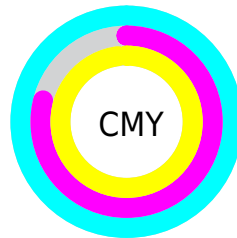


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (79%)



Cyan (100%)


Magenta (79%)


Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 36.147, 140.066 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, 36.147, 140.066 by changing the saturation by 10% instead.

 18, 36.147,
140.066


 18, 36.147,
140.066


 100, 36.147,
140.066


 8, 36.147, 140.066


 38, 36.147,
140.066

 0, 36.147, 140.066

 48, 36.147,
140.066

 58, 36.147,
140.066


 68, 36.147,
140.066

 78, 36.147,
140.066


 88, 36.147,


140.066


 98, 36.147,
140.066

 18, 36.147,
140.066


 18, 36.147,
140.066

 18, 36.097,
139.975

 18, 33.532,
140.058

 18, 30.882,
140.504

 19, 27.720,
141.497

 19, 24.174,
142.533

 19, 20.378,
143.482

■ 20, 16.408,
144.334

■ 20, 12.334,
145.090

■ 21, 8.211, 145.756

■ 21, 4.087, 146.350

Harmonies

Complementary

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



18, 36.147, 140.066



9, 35.748, 331.341

Rectangle

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



18, 36.147, 140.066



18, 36.147, 190.066



18, 36.147, 320.066



18, 36.147, 10.066

Sweetspot

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



18, 36.097, 139.975



27, 15.453, 144.977



21, 30.234, 108.153



13, 10.648, 144.892



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 36.097, 139.975



24, 44.439, 138.083



18, 24.725, 157.833



9, 2.197, 146.455



32, 53.618, 137.580



76, 104.343, 136.644

Inverse Universe

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



9, 35.748, 331.341



13, 42.440, 331.518



7, 27.663, 1.452



8, 2.202, 327.189



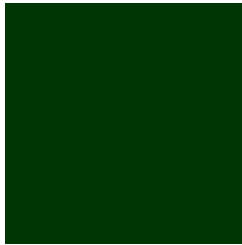
19, 50.488, 331.662



50, 95.542, 331.989

Previews

White Background



This preview shows how the CIELCh color 18, 36.147, 140.066 looks on a white background.

Color Contrast Check

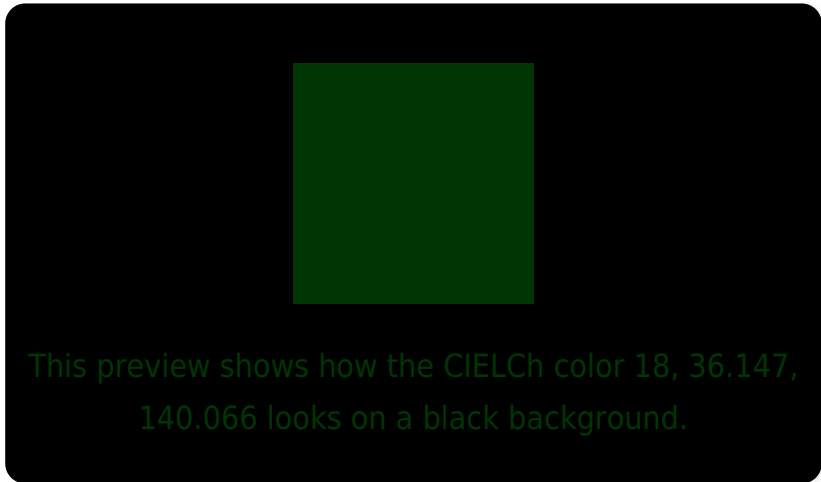
Large Text (above 18pt) WCAG AA ✓ Pass

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

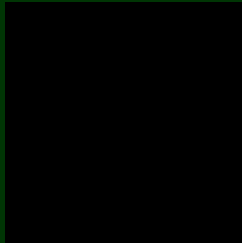
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 36.147, 140.066

Background



This preview shows how black text looks on a background with the CIELCh color 18, 36.147, 140.066.



This preview shows how white text looks on a background with the CIELCh color 18, 36.147, 140.066.

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](#).

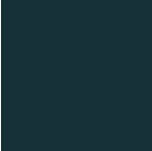
Dichromacy



Original Color
18, 36.499, 139.716

Protanopia
18, 26.306, 96.674

Deuteranopia
18, 21.499, 85.013



Tritanopia
18, 10.594, 212.723

Trichromacy



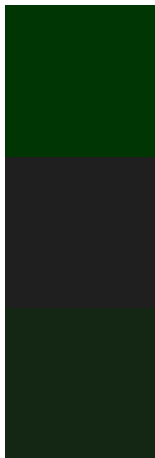
Original Color
18, 36.499, 139.716

Protanomaly
18, 28.292, 121.809

Deuteranomaly
17, 23.588, 117.977

Tritanomaly
18, 18.257, 161.477

Monochromacy



Original Color
18, 36.499, 139.716

Achromatopsia
12, 0.003, 296.813

Achromatomaly
14, 15.815, 142.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 36.147, 140.066 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, 53, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 53, 4)  
}
```

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, 53, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 53, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 36.147, 140.066 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, 53, 4) }
```

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

```
.border{ border-color:rgb(0, 53, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 53, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 53, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 53, 4); box-shadow:4px  
4px 4px 4px rgb(0, 53, 4) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 36.147, 140.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 53, 4) }
```

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

```
.background{ background-color: rgb(0, 53,  
4) }
```

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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