

Converting Colors

CIELCh(18, 17.662, 137.160)

Have a look what the booklet for
CIELCh(18, 17.662, 137.160)
contains.

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Color

CIELCh(18, 18.145, 137.345)

Conversions

Conversions Part 1

Format	Color
Hex	1E311A
RGB	30, 49, 26
RGB Percent	12%, 19%, 10%
CMY	0.8834, 0.8090, 0.8991
CMYK	0.39, 0.00, 0.47, 0.81
HSL	110°, 31%, 15%
HSV	110°, 47%, 19%
XYZ	1.7973, 2.5180, 1.3531
YIQ	40.6970, -3.9410, -11.1810

Conversions

Conversions Part 2

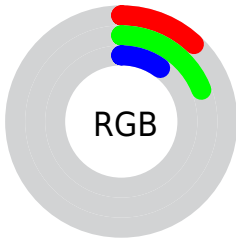
Format	Color
R_{YB}	26, 49, 45
Decimal	1978650
CIE _{Lab}	18.00, -13.34, 12.29
CIE _{LCh}	18, 18.145, 137.345
Y _{xy}	2.5180, 0.3171, 0.4442
Android (android.graphics.Color)	4280168730 (0xFF1E311A)
Y _{UV}	40.6970, -7.2456, -9.3813
Hunter-Lab	15.8683, -7.5526, 6.0520

Details

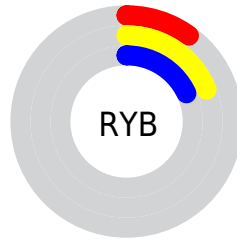
The CIELCh color **18, 18.145, 137.345** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 18.399, 321.334**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.140, 136.623**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 21.819, 136.751**, and if you desaturate by 10%, it is **18, 14.354, 137.911**.

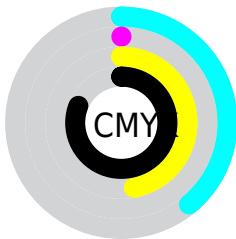
Distribution



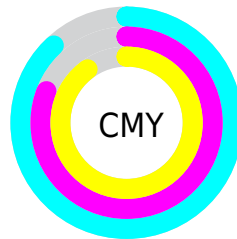
- Red (12%)
- Green (19%)
- Blue (10%)



- Red (10%)
- Yellow (19%)
- Blue (18%)



- Cyan (39%)
- Magenta (0%)
- Yellow (47%)
- Black (81%)





- Cyan (88%)
- Magenta (81%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 18.145, 137.345 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, 18.145, 137.345 by changing the saturation by 10% instead.

 18, 18.145,
137.345


 18, 18.145,
137.345


 100, 18.145,
137.345


 8, 18.145, 137.345


 38, 18.145,
137.345

 0, 18.145, 137.345

 48, 18.145,
137.345


 58, 18.145,
137.345


 68, 18.145,
137.345


 78, 18.145,
137.345


 88, 18.145,


137.345


 98, 18.145,
137.345


 18, 18.145,
137.345


 18, 18.145,
137.345

 18, 21.819,
136.751


 18, 14.354,
137.911

 17, 25.272,
136.229

 19, 10.498,
138.434


 17, 28.221,
136.207

 19, 6.620, 138.912

 17, 30.761,
136.374

 20, 2.751, 139.353

 20, 1.084, 319.625

 17, 33.218,
136.313

 21, 4.866, 320.015

■ 17, 33.909,
136.280

■ 22, 8.583, 320.314

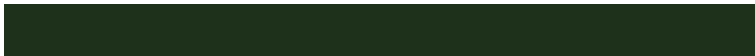
■ 22, 12.226,
320.572

■ 23, 15.789,
320.797

Harmonies

Complementary

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



18, 18.145, 137.345



13, 18.399, 321.334

Rectangle

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



18, 18.145, 137.345



18, 18.145, 187.345



18, 18.145, 317.345



18, 18.145, 7.345

Sweetspot

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



18, 18.146, 137.346



26, 6.760, 139.020



18, 12.946, 96.851



12, 4.719, 138.993



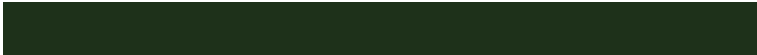
66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 18.146, 137.346



24, 27.180, 136.570



18, 15.230, 151.541



9, 2.203, 139.327



32, 54.386, 134.248



76, 104.545, 135.034

Inverse Universe

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



13, 18.399, 321.334



16, 27.599, 321.739



13, 15.431, 337.956



8, 2.214, 319.881



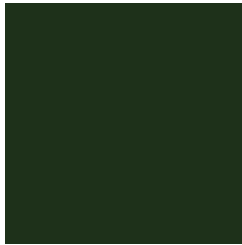
16, 54.462, 322.084



45, 103.811, 321.580

Previews

White Background



This preview shows how the CIELCh color 18, 18.145, 137.345 looks on a white background.

Color Contrast Check

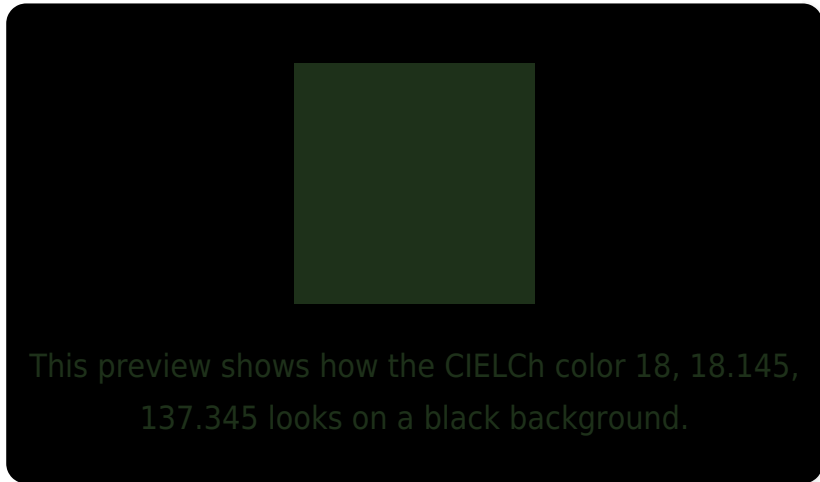
Large Text (above 18pt) WCAG AA ✓ Pass

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

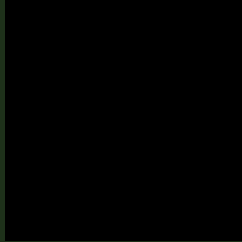
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 18.145, 137.345

Background



This preview shows how black text looks on a background with the CIELCh color 18, 18.145, 137.345.



This preview shows how white text looks on a background with the CIELCh color 18, 18.145, 137.345.

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, 18.145, 137.345

Protanopia
18, 13.747, 97.613

Deuteranopia
18, 11.986, 77.791



Tritanopia
18, 5.768, 227.286

Trichromacy



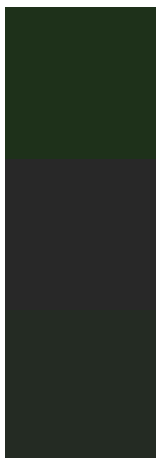
Original Color
18, 18.145, 137.345

Protanomaly
18, 14.401, 117.071

Deuteranomaly
18, 11.596, 104.551

Tritanomaly
18, 8.091, 166.911

Monochromacy



Original Color
18, 18.145, 137.345

Achromatopsia
16, 0.003, 296.813

Achromatomaly
17, 6.555, 140.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 18.145, 137.345 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(30, 49, 26)` looks like.

```
.text, #text, p{  
    color:rgb(30, 49, 26)  
}
```

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(30, 49, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 49, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 18.145, 137.345 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(30, 49, 26) }
```

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

```
.border{ border-color:rgb(30, 49, 26) }
```

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

Here you see how a box with a 4 pixel rgb(30, 49, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 49, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 49, 26);  
box-shadow:4px 4px 4px 4px rgb(30, 49, 26)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 18.145, 137.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 49, 26) }
```

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

```
.background{ background-color: rgb(30, 49,  
26) }
```

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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