

Converting Colors

CIELCh(18, 14.163, 148.769)

Have a look what the booklet for
CIELCh(18, 14.163, 148.769)
contains.

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Color

CIELCh(18, 13.740, 148.346)

Conversions

Conversions Part 1

Format	Color
Hex	1D3021
RGB	29, 48, 33
RGB Percent	11%, 19%, 13%
CMY	0.8850, 0.8105, 0.8694
CMYK	0.39, 0.00, 0.31, 0.81
HSL	133°, 24%, 15%
HSV	133°, 39%, 19%
XYZ	1.8648, 2.5180, 1.8493
YIQ	40.6090, -6.5090, -8.6930

Conversions

Conversions Part 2

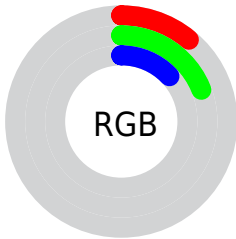
Format	Color
RYB	29, 45, 48
Decimal	1912865
CIELab	18.00, -11.70, 7.21
CIELCh	18, 13.740, 148.346
Yxy	2.5180, 0.2992, 0.4040
Android (android.graphics.Color)	4280102945 (0xFF1D3021)
YUV	40.6090, -3.7512, -10.1811
Hunter-Lab	15.8683, -6.7926, 4.1980

Details

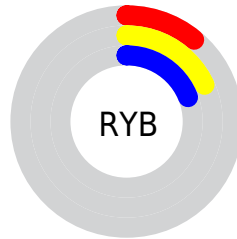
The CIELCh color **18, 13.740, 148.346** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 13.805, 333.005**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 13.816, 148.750**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 17.139, 147.478**, and if you desaturate by 10%, it is **18, 10.267, 149.116**.

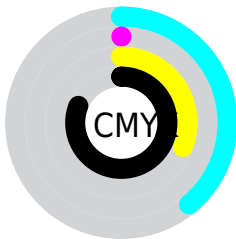
Distribution



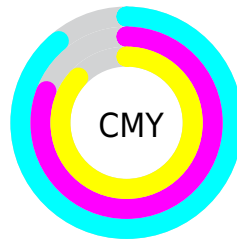
- Red (11%)
- Green (19%)
- Blue (13%)



- Red (11%)
- Yellow (18%)
- Blue (19%)



- Cyan (39%)
- Magenta (0%)
- Yellow (31%)
- Black (81%)



- Cyan (89%)
- Magenta (81%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 13.740, 148.346 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, 13.740, 148.346 by changing the saturation by 10% instead.

■ 18, 13.740,
148.346

■ 18, 13.740,
148.346

■ 100, 13.740,
148.346

■ 8, 13.740, 148.346

■ 38, 13.740,
148.346

■ 0, 13.740, 148.346

■ 48, 13.740,
148.346


■ 58, 13.740,
148.346


■ 68, 13.740,
148.346


■ 78, 13.740,
148.346


■ 88, 13.740,


148.346


 98, 13.740,
148.346

 18, 13.740,
148.346


 18, 13.740,
148.346

 18, 17.139,
147.478


 18, 10.267,
149.116

 17, 20.416,
146.502


 19, 6.758, 149.800

 17, 23.519,
145.413

 19, 3.250, 150.419

 17, 26.394,
144.217

 20, 0.231, 330.413

 17, 29.012,
143.449

 21, 7.030, 331.796

■ 16, 31.421,
143.338

■ 22, 10.322,
332.180

■ 16, 31.572,
143.350

■ 23, 13.531,
332.524

■ 24, 16.654,
332.834

Harmonies

Complementary

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



18, 13.740, 148.346



14, 13.805, 333.005

Rectangle

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



18, 13.740, 148.346



18, 13.740, 198.346



18, 13.740, 328.346



18, 13.740, 18.346

Sweetspot

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



18, 13.741, 148.346



26, 5.278, 150.217



19, 12.924, 115.769



12, 3.539, 150.217



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, 13.741, 148.346



24, 20.599, 147.444



18, 9.399, 172.719



7, 1.712, 150.662



31, 49.361, 140.231



75, 98.647, 138.614

Inverse Universe

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



14, 13.805, 333.005



18, 20.661, 333.613



14, 10.353, 359.636



7, 1.698, 331.108



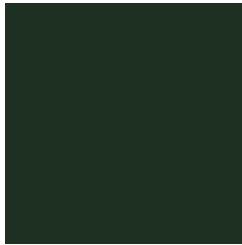
18, 45.280, 337.826



49, 85.987, 338.905

Previews

White Background



This preview shows how the CIELCh color 18, 13.740, 148.346 looks on a white background.

Color Contrast Check

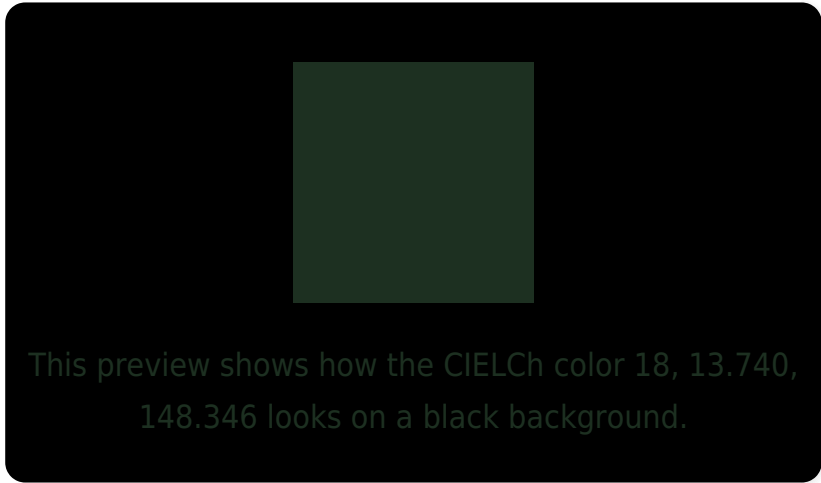
Large Text (above 18pt) WCAG AA ✓ Pass

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

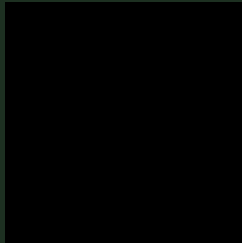
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 13.740, 148.346

Background



This preview shows how black text looks on a background with the CIELCh color 18, 13.740, 148.346.

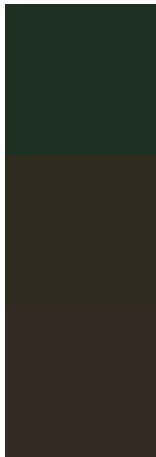


This preview shows how white text looks on a background with the CIELCh color 18, 13.740, 148.346.

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, 13.740, 148.346

Protanopia

18, 9.036, 97.922

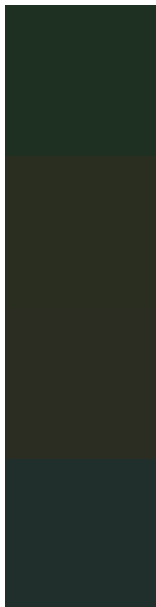
Deuteranopia

18, 6.728, 65.423



Tritanopia
18, 6.115, 225.456

Trichromacy



Original Color
18, 13.740, 148.346

Protanomaly
18, 9.879, 122.607

Deuteranomaly
18, 6.886, 112.613

Tritanomaly
18, 7.070, 180.849

Monochromacy



Original Color
18, 13.740, 148.346

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.383, 147.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 13.740, 148.346 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(29, 48, 33)` looks like.

```
.text, #text, p{  
    color:rgb(29, 48, 33)  
}
```

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(29, 48, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 48, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 13.740, 148.346 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(29, 48, 33) }
```

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

```
.border{ border-color:rgb(29, 48, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 48, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 48, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 48, 33);  
box-shadow:4px 4px 4px 4px rgb(29, 48, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 13.740, 148.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 48, 33) }
```

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

```
.background{ background-color: rgb(29, 48,  
33) }
```

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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