

Converting Colors

CIELCh(16, 13.110, 136.698)

Have a look what the booklet for
CIELCh(16, 13.110, 136.698)
contains.

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Color

CIELCh(16, 12.874, 137.582)

Conversions

Conversions Part 1

Format	Color
Hex	1E2B1B
RGB	30, 43, 27
RGB Percent	12%, 17%, 11%
CMY	0.8817, 0.8307, 0.8935
CMYK	0.30, 0.00, 0.37, 0.83
HSL	109°, 23%, 14%
HSV	109°, 37%, 17%
XYZ	1.6106, 2.0993, 1.3674
YIQ	37.2890, -2.6120, -7.7320

Conversions

Conversions Part 2

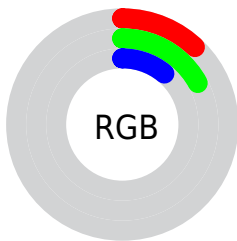
Format	Color
R_{YB}	27, 43, 40
Decimal	1977115
CIE _{Lab}	16.00, -9.50, 8.68
CIE _{LCh}	16, 12.874, 137.582
Yxy	2.0993, 0.3172, 0.4135
Android (android.graphics.Color)	4280167195 (0xFF1E2B1B)
YUV	37.2890, -5.0725, -6.3925
Hunter-Lab	14.4890, -5.5132, 4.5467

Details

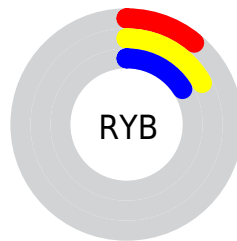
The CIELCh color **16, 12.874, 137.582** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 13.037, 320.510**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 12.751, 137.245**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.293, 137.051**, and if you desaturate by 10%, it is **16, 9.405, 138.077**.

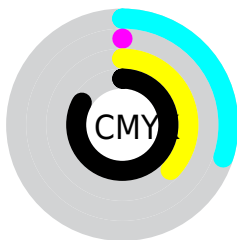
Distribution



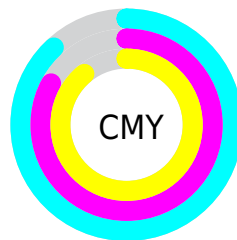
- Red (12%)
- Green (17%)
- Blue (11%)



- Red (11%)
- Yellow (17%)
- Blue (16%)



- Cyan (30%)
- Magenta (0%)
- Yellow (37%)
- Black (83%)



- Cyan (88%)
- Magenta (83%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 12.874, 137.582 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 16, 12.874, 137.582 by changing the saturation by 10% instead.

■ 16, 12.874,
137.582

■ 16, 12.874,
137.582

■ 100, 12.874,
137.582

■ 6, 12.874, 137.582

■ 36, 12.874,
137.582

■ 0, 12.874, 137.582

■ 46, 12.874,
137.582


■ 56, 12.874,
137.582


■ 66, 12.874,
137.582


■ 76, 12.874,
137.582


■ 86, 12.874,

137.582


 96, 12.874,
137.582

 16, 12.874,
137.582


 16, 12.874,
137.582

 16, 16.293,
137.051


 16, 9.405, 138.077

 15, 19.605,
136.530


 17, 5.919, 138.530

 15, 22.570,
136.512

 17, 2.442, 138.951

 15, 25.107,
136.890

 18, 1.005, 319.207

 15, 27.422,
137.246

 18, 4.408, 319.583

 19, 7.754, 319.873

 19, 11.038,

■ 14, 29.690,
137.374

320.124

■ 14, 30.355,
137.407

■ 20, 14.253,
320.343

■ 21, 17.397,
320.536

Harmonies

Complementary

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



16, 12.874, 137.582



12, 13.037, 320.510

Rectangle

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



16, 12.874, 137.582



16, 12.874, 187.582



16, 12.874, 317.582



16, 12.874, 7.582

Sweetspot

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



16, 12.875, 137.583



23, 4.744, 138.760



16, 9.053, 96.917



10, 3.104, 138.767



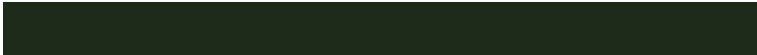
64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 12.875, 137.583



21, 18.998, 137.075



16, 11.013, 151.874



6, 1.503, 139.398



31, 52.041, 133.970



74, 102.477, 134.875

Inverse Universe

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



12, 13.037, 320.510



16, 19.285, 320.838



12, 11.131, 336.442



6, 1.500, 318.959



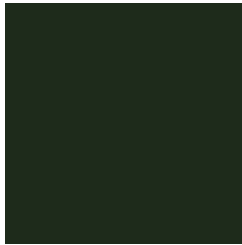
15, 52.379, 321.662



44, 102.169, 321.081

Previews

White Background



This preview shows how the CIELCh color 16, 12.874, 137.582 looks on a white background.

Color Contrast Check

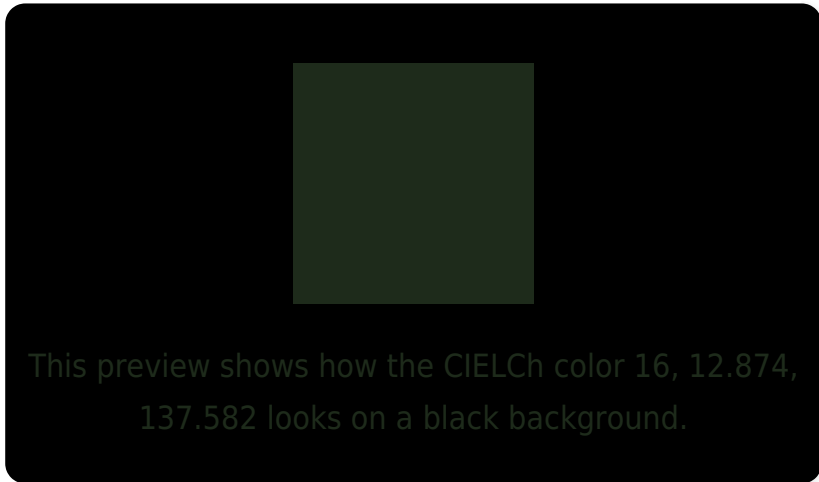
Large Text (above 18pt) WCAG AA ✓ Pass

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

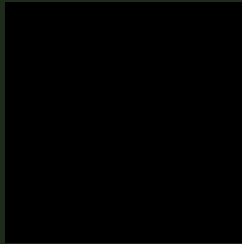
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 12.874, 137.582

Background



This preview shows how black text looks on a background with the CIELCh color 16, 12.874, 137.582.



This preview shows how white text looks on a background with the CIELCh color 16, 12.874, 137.582.

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

16, 12.874, 137.582

Protanopia

16, 9.836, 98.140

Deuteranopia

16, 8.547, 73.974



Tritanopia
16, 4.107, 229.718

Trichromacy



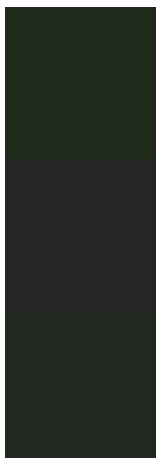
Original Color
16, 12.874, 137.582

Protanomaly
16, 10.480, 116.003

Deuteranomaly
16, 8.349, 104.285

Tritanomaly
16, 5.521, 167.670

Monochromacy



Original Color
16, 12.874, 137.582

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 4.679, 134.162

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 12.874, 137.582 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, 43, 27)` looks like.

```
.text, #text, p{  
    color:rgb(30, 43, 27)  
}
```

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, 43, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 43, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 12.874, 137.582 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, 43, 27) }
```

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

```
.border{ border-color:rgb(30, 43, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 43, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 43, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 43, 27);  
box-shadow:4px 4px 4px 4px rgb(30, 43, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 12.874, 137.582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 43, 27) }
```

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

```
.background{ background-color: rgb(30, 43,  
27) }
```

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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