

Converting Colors

CIELCh(18, 12.019, 133.388)

Have a look what the booklet for
CIELCh(18, 12.019, 133.388)
contains.

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Color

CIELCh(18, 12.227, 134.026)

Conversions

Conversions Part 1

Format	Color
Hex	242F1F
RGB	36, 47, 31
RGB Percent	14%, 18%, 12%
CMY	0.8584, 0.8153, 0.8780
CMYK	0.23, 0.00, 0.34, 0.82
HSL	101°, 20%, 15%
HSV	101°, 34%, 18%
XYZ	2.0007, 2.5180, 1.6839
YIQ	41.8870, -1.4200, -7.3080

Conversions

Conversions Part 2

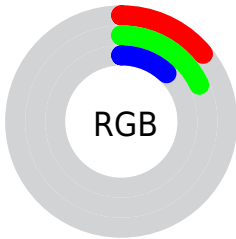
Format	Color
RYB	31, 47, 42
Decimal	2371359
CIELab	18.00, -8.50, 8.79
CIElCh	18, 12.227, 134.026
Yxy	2.5180, 0.3226, 0.4060
Android (android.graphics.Color)	4280561439 (0xFF242F1F)
YUV	41.8870, -5.3673, -5.1629
Hunter-Lab	15.8683, -5.2644, 4.8161

Details

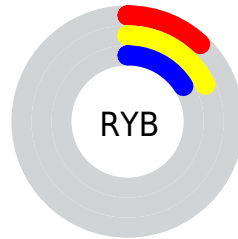
The CIELCh color **18, 12.227, 134.026** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14, 12.499, 316.528**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 12.217, 133.882**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.785, 133.581**, and if you desaturate by 10%, it is **18, 8.629, 134.453**.

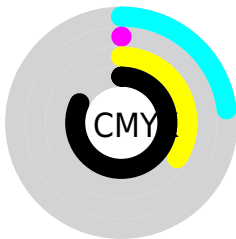
Distribution



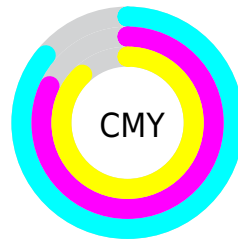
- Red (14%)
- Green (18%)
- Blue (12%)



- Red (12%)
- Yellow (18%)
- Blue (16%)



- Cyan (23%)
- Magenta (0%)
- Yellow (34%)
- Black (82%)



- Cyan (86%)
- Magenta (82%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.227, 134.026 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, 12.227, 134.026 by changing the saturation by 10% instead.

■ 18, 12.227,
134.026

■ 18, 12.227,
134.026

■ 100, 12.227,
134.026

■ 8, 12.227, 134.026

■ 38, 12.227,
134.026

■ 0, 12.227, 134.026

■ 48, 12.227,
134.026


■ 58, 12.227,
134.026


■ 68, 12.227,
134.026


■ 78, 12.227,
134.026


■ 88, 12.227,

134.026


 98, 12.227,
134.026

 18, 12.227,
134.026

 18, 12.227,
134.026


 18, 15.785,
133.581

 18, 8.629, 134.453

 17, 19.261,
133.130

 19, 5.019, 134.853

 19, 1.421, 135.247


 17, 22.584,
132.742


 20, 2.149, 315.499

 17, 25.479,
132.865

 20, 5.677, 315.813

 21, 9.154, 316.081

 17, 27.948,
133.322

 21, 12.574,

■ 16, 30.347,
133.646

316.318

■ 16, 31.780,
133.760

■ 22, 15.932,
316.528

■ 23, 19.225,
316.713

Harmonies

Complementary

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



18, 12.227, 134.026



14, 12.499, 316.528

Rectangle

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



18, 12.227, 134.026



18, 12.227, 184.026



18, 12.227, 314.026



18, 12.227, 4.026

Sweetspot

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



18, 12.228, 134.027



25, 4.470, 134.984



17, 8.008, 88.882



11, 2.977, 134.980



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 12.228, 134.027



24, 18.346, 133.613



18, 11.862, 147.888



7, 1.801, 135.663



32, 51.771, 131.851



76, 101.024, 133.043

Inverse Universe

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



14, 12.499, 316.528



17, 18.865, 316.859



14, 11.905, 331.706



7, 1.796, 315.005



13, 54.463, 317.700



40, 105.292, 316.876

Previews

White Background



This preview shows how the CIELCh color 18, 12.227, 134.026 looks on a white background.

Color Contrast Check

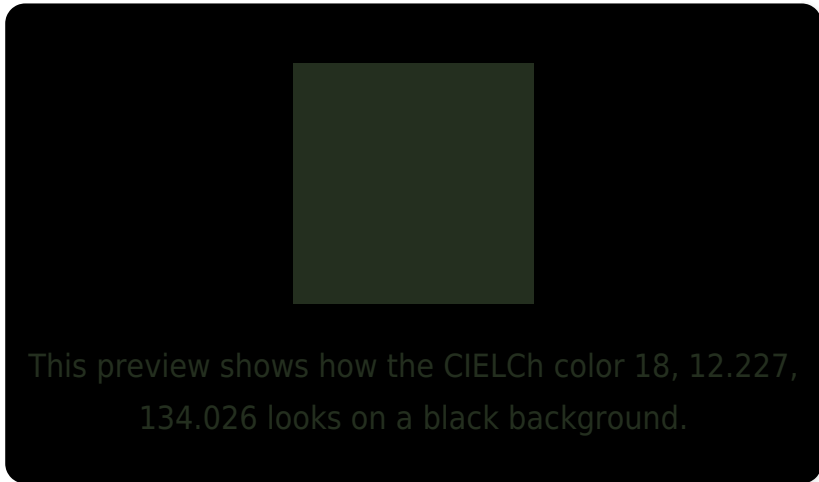
Large Text (above 18pt) WCAG AA ✓ Pass

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

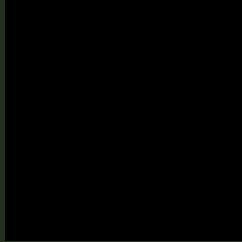
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

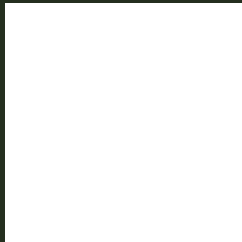
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 12.227, 134.026

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.227, 134.026.

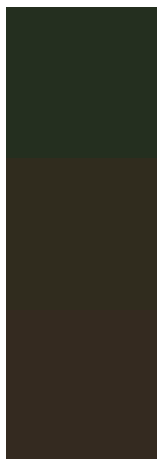


This preview shows how white text looks on a background with the CIELCh color 18, 12.227, 134.026.

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

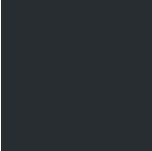
18, 12.227, 134.026

Protanopia

18, 9.807, 95.345

Deuteranopia

18, 8.725, 71.402



Tritanopia
18, 3.791, 245.967

Trichromacy



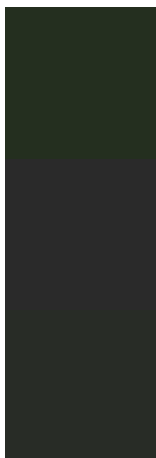
Original Color
18, 12.227, 134.026

Protanomaly
18, 10.232, 110.460

Deuteranomaly
18, 8.285, 100.890

Tritanomaly
18, 4.694, 162.466

Monochromacy



Original Color
18, 12.227, 134.026

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 4.594, 134.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.227, 134.026 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(36, 47, 31)` looks like.

```
.text, #text, p{  
    color:rgb(36, 47, 31)  
}
```

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(36, 47, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 47, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.227, 134.026 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(36, 47, 31) }
```

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

```
.border{ border-color:rgb(36, 47, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 47, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 47, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 47, 31);  
box-shadow:4px 4px 4px 4px rgb(36, 47, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.227, 134.026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 47, 31) }
```

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

```
.background{ background-color: rgb(36, 47,  
31) }
```

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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