

Converting Colors

CIELCh(18, 11.829, 130.672)

Have a look what the booklet for
CIELCh(18, 11.829, 130.672)
contains.

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Color

CIELCh(18, 12.006, 132.040)

Conversions

Conversions Part 1

Format	Color
Hex	252F1F
RGB	37, 47, 31
RGB Percent	15%, 18%, 12%
CMY	0.8552, 0.8160, 0.8787
CMYK	0.21, 0.00, 0.34, 0.82
HSL	98°, 21%, 15%
HSV	98°, 34%, 18%
XYZ	2.0206, 2.5180, 1.6713
YIQ	42.1860, -0.8240, -7.0960

Conversions

Conversions Part 2

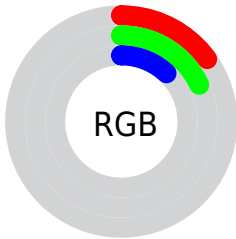
Format	Color
RYB	31, 47, 41
Decimal	2436895
CIELab	18.00, -8.04, 8.92
CIELCh	18, 12.006, 132.040
Yxy	2.5180, 0.3254, 0.4055
Android (android.graphics.Color)	4280626975 (0xFF252F1F)
YUV	42.1860, -5.5147, -4.5481
Hunter-Lab	15.8683, -5.0397, 4.8633

Details

The CIELCh color **18, 12.006, 132.040** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14, 12.341, 314.528**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 12.028, 132.075**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.484, 131.624**, and if you desaturate by 10%, it is **18, 8.488, 132.447**.

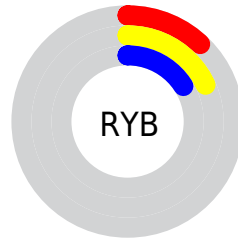
Distribution



Red (15%)

Green (18%)

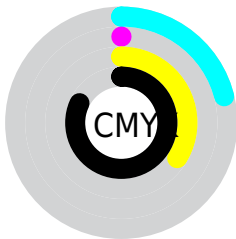
Blue (12%)



Red (12%)

Yellow (18%)

Blue (16%)

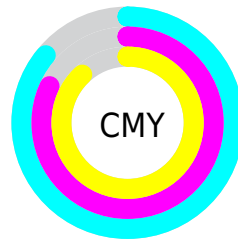


Cyan (21%)

Magenta (0%)

Yellow (34%)

Black (82%)



Cyan (86%)

Magenta (82%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.006, 132.040 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, 12.006, 132.040 by changing the saturation by 10% instead.

■ 18, 12.006,
132.040

■ 18, 12.006,
132.040

■ 100, 12.006,
132.040

■ 8, 12.006, 132.040

■ 38, 12.006,
132.040

■ 0, 12.006, 132.040

■ 48, 12.006,
132.040


■ 58, 12.006,
132.040


■ 68, 12.006,
132.040


■ 78, 12.006,
132.040


■ 88, 12.006,

132.040


 98, 12.006,
132.040

 18, 12.006,
132.040


 18, 12.006,
132.040

 18, 15.484,
131.624


 18, 8.488, 132.447

 17, 18.883,
131.210


 19, 4.956, 132.835

 17, 22.131,
130.878


 19, 1.431, 133.219

 17, 24.950,
131.065

 20, 5.536, 313.790

 17, 27.357,
131.587

 21, 8.958, 314.063

 21, 12.329,

■ 16, 29.713,
131.997

314.305

■ 16, 31.102,
132.171

■ 22, 15.646,
314.522

■ 22, 18.904,
314.715

Harmonies

Complementary

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



18, 12.006, 132.040



14, 12.341, 314.528

Rectangle

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



18, 12.006, 132.040



18, 12.006, 182.040



18, 12.006, 312.040



18, 12.006, 2.040

Sweetspot

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



18, 12.007, 132.041



25, 4.394, 132.967



17, 7.573, 83.268



11, 2.927, 132.962



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, 12.007, 132.041



24, 18.011, 131.656



18, 12.445, 145.782



7, 1.772, 133.679



32, 50.941, 130.414



76, 99.457, 131.726

Inverse Universe

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



14, 12.341, 314.528



17, 18.657, 314.872



14, 12.464, 329.431



7, 1.766, 312.947



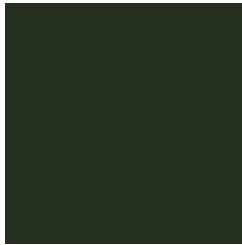
12, 55.065, 315.917



38, 106.613, 315.006

Previews

White Background



This preview shows how the CIELCh color 18, 12.006, 132.040 looks on a white background.

Color Contrast Check

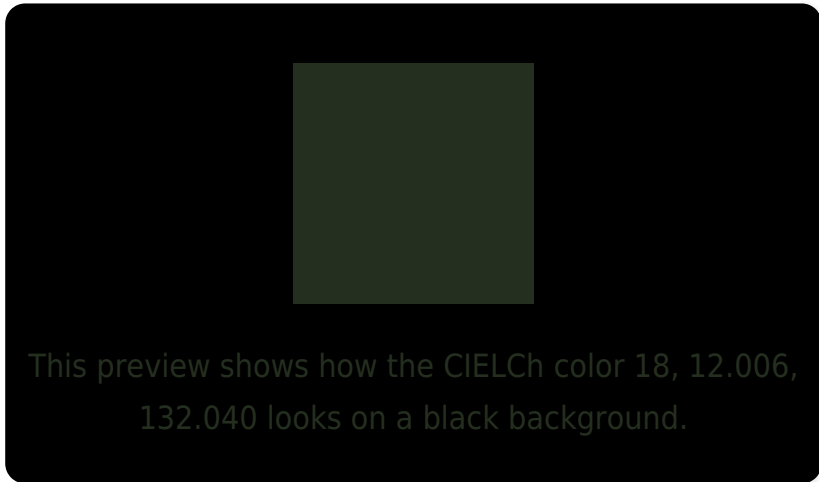
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.006, 132.040

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.006, 132.040.

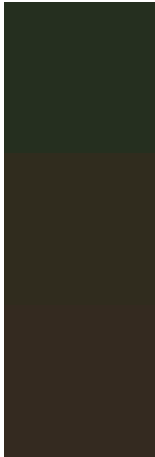


This preview shows how white text looks on a background with the CIELCh color 18, 12.006, 132.040.

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, 12.006, 132.040

Protanopia

18, 9.807, 95.345

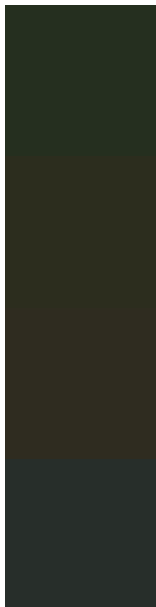
Deuteranopia

18, 8.725, 71.402



Tritanopia
18, 3.026, 242.396

Trichromacy



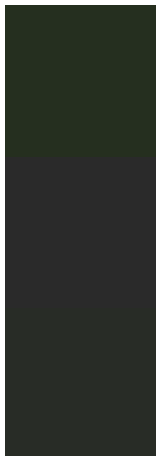
Original Color
18, 12.006, 132.040

Protanomaly
18, 10.232, 110.460

Deuteranomaly
18, 8.367, 97.355

Tritanomaly
18, 4.330, 159.031

Monochromacy



Original Color
18, 12.006, 132.040

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, 12.006, 132.040 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(37, 47, 31)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 47, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 47, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.006, 132.040 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(37, 47, 31) }
```

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

```
.border{ border-color:rgb(37, 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(37, 47, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 47, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 47, 31);  
box-shadow:4px 4px 4px 4px rgb(37, 47, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.006, 132.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 47, 31) }
```

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

```
.background{ background-color: rgb(37, 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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