

Converting Colors

CIELCh(18, 12.070, 124.444)

Have a look what the booklet for
CIELCh(18, 12.070, 124.444)
contains.

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Color

CIELCh(18, 12.107, 124.419)

Conversions

Conversions Part 1

Format	Color
Hex	272E1D
RGB	39, 46, 29
RGB Percent	15%, 18%, 11%
CMY	0.8454, 0.8179, 0.8847
CMYK	0.15, 0.00, 0.37, 0.82
HSL	85°, 22%, 15%
HSV	85°, 37%, 18%
XYZ	2.0735, 2.5180, 1.5656
YIQ	41.9690, 1.2850, -6.7710

Conversions

Conversions Part 2

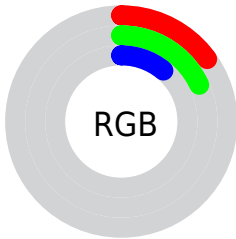
Format	Color
R_{YB}	29, 46, 36
Decimal	2567709
CIE Lab	18.00, -6.84, 9.99
CIE LCh	18, 12.107, 124.419
Yxy	2.5180, 0.3368, 0.4090
Android (android.graphics.Color)	4280757789 (0xFF272E1D)
YUV	41.9690, -6.3937, -2.6038
Hunter-Lab	15.8683, -4.4456, 5.2583

Details

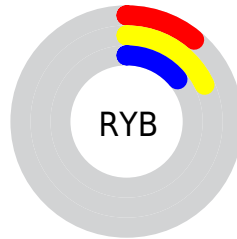
The CIELCh color **18, 12.107, 124.419** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 12.735, 307.587**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 12.140, 125.335**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 15.331, 124.011**, and if you desaturate by 10%, it is **18, 8.830, 124.842**.

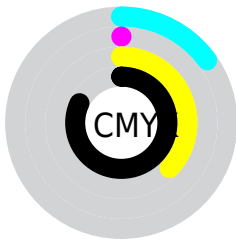
Distribution



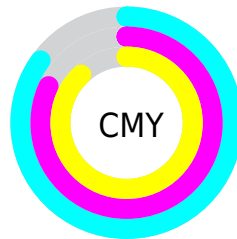
- Red (15%)
- Green (18%)
- Blue (11%)



- Red (11%)
- Yellow (18%)
- Blue (14%)



- Cyan (15%)
- Magenta (0%)
- Yellow (37%)
- Black (82%)



- Cyan (85%)
- Magenta (82%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 12.107, 124.419 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, 12.107, 124.419 by changing the saturation by 10% instead.

■ 18, 12.107,
124.419

■ 18, 12.107,
124.419

■ 100, 12.107,
124.419

■ 8, 12.107, 124.419

■ 38, 12.107,
124.419

■ 0, 12.107, 124.419

■ 48, 12.107,
124.419


■ 58, 12.107,
124.419


■ 68, 12.107,
124.419


■ 78, 12.107,
124.419


■ 88, 12.107,

124.419


 98, 12.107,
124.419

 18, 12.107,
124.419

 18, 12.107,
124.419

 18, 15.331,
124.011


 18, 8.830, 124.842

 17, 18.464,
123.632


 19, 5.523, 125.262

 17, 21.384,
123.448

 19, 2.207, 125.676

 17, 23.826,
123.772

 19, 1.106, 306.020

 17, 25.957,
124.318

 20, 4.405, 306.408

 20, 7.680, 306.754

 20, 10.927,

■ 17, 28.098,
124.795

307.076

■ 17, 28.814,
124.939

■ 21, 14.141,
307.374

■ 21, 17.317,
307.649

Harmonies

Complementary

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



18, 12.107, 124.419



12, 12.735, 307.587

Rectangle

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



18, 12.107, 124.419



18, 12.107, 174.419



18, 12.107, 304.419



18, 12.107, 354.419

Sweetspot

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



18, 12.108, 124.421



25, 4.598, 125.469



15, 7.293, 60.874



11, 3.016, 125.471



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, 12.108, 124.421



24, 18.238, 124.013



17, 13.919, 139.904



8, 1.688, 126.325



33, 47.800, 123.562



78, 93.017, 124.974

Inverse Universe

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



12, 12.735, 307.587



16, 19.489, 308.118



14, 14.003, 323.158



7, 1.686, 305.516



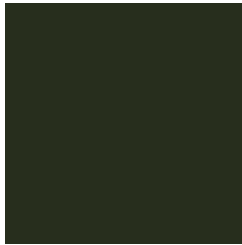
9, 57.413, 310.924



32, 111.594, 309.971

Previews

White Background



This preview shows how the CIELCh color 18, 12.107, 124.419 looks on a white background.

Color Contrast Check

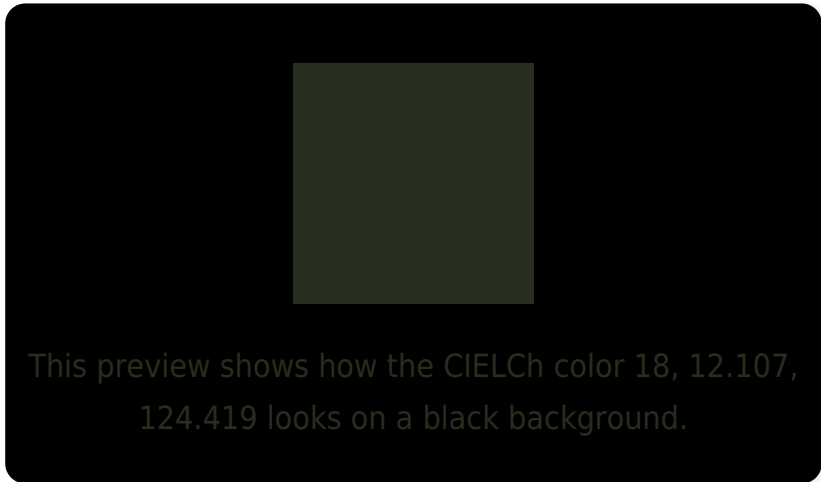
Large Text (above 18pt) WCAG AA ✓ Pass

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, 12.107, 124.419

Background



This preview shows how black text looks on a background with the CIELCh color 18, 12.107, 124.419.

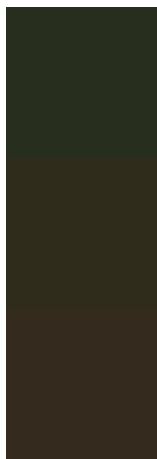


This preview shows how white text looks on a background with the CIELCh color 18, 12.107, 124.419.

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, 12.107, 124.419

Protanopia

18, 11.129, 96.366

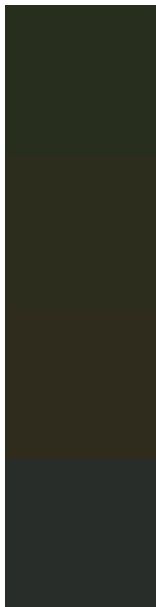
Deuteranopia

18, 9.890, 75.567



Tritanopia
18, 2.893, 272.510

Trichromacy



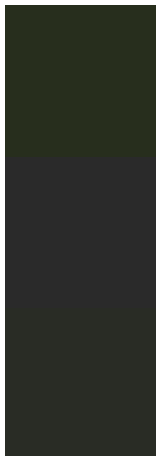
Original Color
18, 12.107, 124.419

Protanomaly
18, 10.884, 107.386

Deuteranomaly
18, 9.704, 98.386

Tritanomaly
18, 3.373, 144.052

Monochromacy



Original Color
18, 12.107, 124.419

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 5.055, 125.928

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 12.107, 124.419 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(39, 46, 29)` looks like.

```
.text, #text, p{  
    color:rgb(39, 46, 29)  
}
```

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(39, 46, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 46, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 12.107, 124.419 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(39, 46, 29) }
```

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

```
.border{ border-color:rgb(39, 46, 29) }
```

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

Here you see how a box with a 4 pixel rgb(39, 46, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 46, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 46, 29);  
box-shadow:4px 4px 4px 4px rgb(39, 46, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 12.107, 124.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 46, 29) }
```

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

```
.background{ background-color: rgb(39, 46,  
29) }
```

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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