

Converting Colors

CIELCh(12, 12.033, 127.387)

Have a look what the booklet for
CIELCh(12, 12.033, 127.387)
contains.

CIELCh(12, 11.997, 127.918)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 11.997, 127.918)

Conversions

Conversions Part 1

Format	Color
Hex	1A2212
RGB	26, 34, 18
RGB Percent	10%, 13%, 7%
CMY	0.8981, 0.8667, 0.9295
CMYK	0.24, 0.00, 0.47, 0.87
HSL	90°, 31%, 10%
HSV	90°, 47%, 13%
XYZ	1.1064, 1.4064, 0.7848
YIQ	29.7840, 0.3680, -6.6720

Conversions

Conversions Part 2

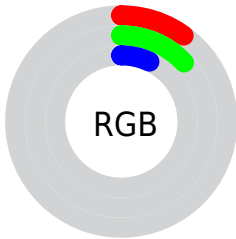
Format	Color
R_YB	18, 34, 26
Decimal	1712658
CIE Lab	12.00, -7.37, 9.46
CIE LCh	12, 11.997, 127.918
Yxy	1.4064, 0.3355, 0.4265
Android (android.graphics.Color)	4279902738 (0xFF1A2212)
YUV	29.7840, -5.8095, -3.3186
Hunter-Lab	11.8591, -4.0999, 4.3777

Details

The CIELCh color **12, 11.997, 127.918** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **7, 12.555, 310.322**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 12.046, 128.120**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 14.147, 128.550**, and if you desaturate by 10%, it is **12, 9.591, 127.777**.

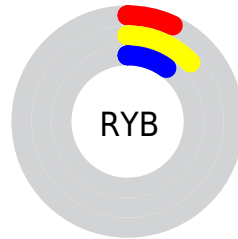
Distribution



Red (10%)

Green (13%)

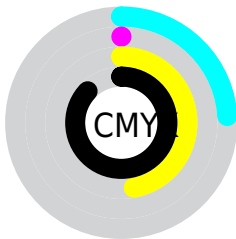
Blue (7%)



Red (7%)

Yellow (13%)

Blue (10%)

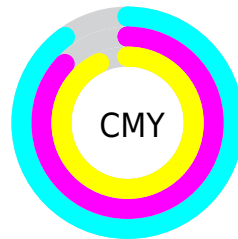


Cyan (24%)

Magenta (0%)

Yellow (47%)

Black (87%)



Cyan (90%)

Magenta (87%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 11.997, 127.918 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 12, 11.997, 127.918 by changing the saturation by 10% instead.

■ 12, 11.997,
127.918

■ 12, 11.997,
127.918

■ 100, 11.997,
127.918

■ 2, 11.997, 127.918

■ 32, 11.997,
127.918

■ 0, 11.997, 127.918

■ 42, 11.997,
127.918


■ 52, 11.997,
127.918


■ 62, 11.997,
127.918


■ 72, 11.997,
127.918


■ 82, 11.997,

127.918


 92, 11.997,
127.918

 12, 11.997,
127.918


 12, 11.997,
127.918

 12, 14.147,
128.550


 12, 9.591, 127.777

 12, 16.046,
129.443


 12, 7.015, 128.138

 11, 17.760,
130.432

 13, 4.424, 128.498

 11, 19.482,
131.280

 13, 0.757, 309.111

 11, 21.217,
131.985

 14, 3.329, 309.453

 14, 5.880, 309.742

■ 11, 21.719,
132.147

■ 14, 8.407, 310.007

■ 15, 10.905,
310.251

Harmonies

Complementary

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



12, 11.997, 127.918



7, 12.555, 310.322

Rectangle

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



12, 11.997, 127.918



12, 11.997, 177.918



12, 11.997, 307.918



12, 11.997, 357.918

Sweetspot

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



12, 11.998, 127.919



17, 4.462, 128.574



10, 7.143, 68.340



7, 2.839, 129.752



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 11.998, 127.919



16, 17.631, 126.966



11, 13.910, 142.094



5, 1.091, 129.434



31, 47.053, 126.622



75, 94.050, 128.178

Inverse Universe

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



7, 12.555, 310.322



8, 18.836, 311.347



8, 14.032, 325.868



5, 1.089, 308.695



10, 54.070, 312.867



33, 107.537, 311.802

Previews

White Background



This preview shows how the CIELCh color 12, 11.997, 127.918 looks on a white background.

Color Contrast Check

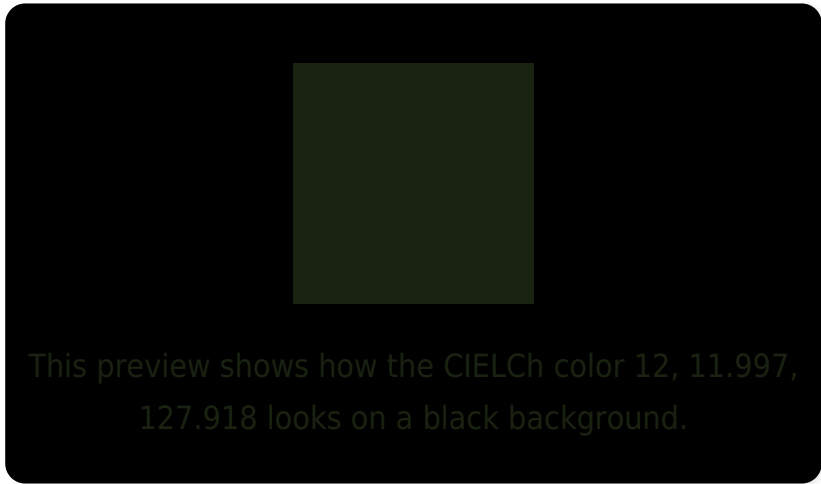
Large Text (above 18pt) WCAG AA ✓ Pass

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

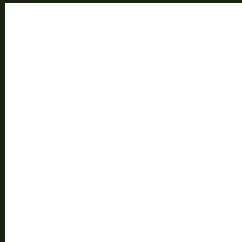
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 12, 11.997, 127.918

Background



This preview shows how black text looks on a background with the CIELCh color 12, 11.997, 127.918.

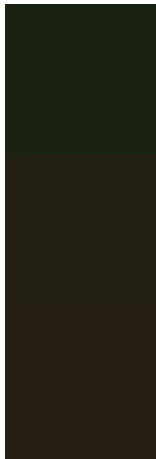


This preview shows how white text looks on a background with the CIELCh color 12, 11.997, 127.918.

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

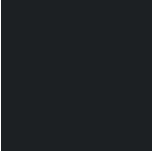
12, 11.997, 127.918

Protanopia

12, 10.525, 98.081

Deuteranopia

12, 9.065, 78.153



Tritanopia
12, 2.841, 249.261

Trichromacy



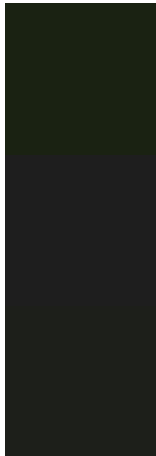
Original Color
12, 11.997, 127.918

Protanomaly
12, 11.072, 109.977

Deuteranomaly
12, 8.662, 96.590

Tritanomaly
12, 4.186, 154.679

Monochromacy



Original Color
12, 11.997, 127.918

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 3.776, 124.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 11.997, 127.918 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(26, 34, 18)` looks like.

```
.text, #text, p{  
    color:rgb(26, 34, 18)  
}
```

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(26, 34, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 34, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 11.997, 127.918 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(26, 34, 18) }
```

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

```
.border{ border-color:rgb(26, 34, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 34, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 34, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 34, 18);  
box-shadow:4px 4px 4px 4px rgb(26, 34, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 11.997, 127.918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 34, 18) }
```

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

```
.background{ background-color: rgb(26, 34,  
18) }
```

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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