

Converting Colors

CIELCh(12, 18.479, 113.435)

Have a look what the booklet for
CIELCh(12, 18.479, 113.435)
contains.

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Color

CIELCh(12, 18.559, 113.767)

Conversions

Conversions Part 1

Format	Color
Hex	1E2202
RGB	30, 34, 2
RGB Percent	12%, 13%, 1%
CMY	0.8831, 0.8676, 0.9938
CMYK	0.12, 0.00, 0.95, 0.87
HSL	67°, 91%, 7%
HSV	67°, 95%, 13%
XYZ	1.1033, 1.4064, 0.2590
YIQ	29.1560, 7.8880, -10.8000

Conversions

Conversions Part 2

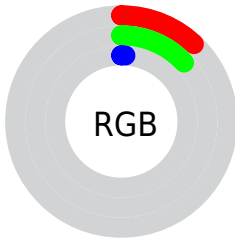
Format	Color
R_{YB}	2, 34, 6
Decimal	1974786
CIE Lab	12.00, -7.48, 16.99
CIE LCh	12, 18.559, 113.767
Yxy	1.4064, 0.3985, 0.5080
Android (android.graphics.Color)	4280164866 (0xFF1E2202)
YUV	29.1560, -13.3879, 0.7402
Hunter-Lab	11.8591, -4.1471, 7.0064

Details

The CIELCh color **12, 18.559, 113.767** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **2, 19.355, 294.584**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 18.100, 113.028**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 19.222, 113.910**, and if you desaturate by 10%, it is **12, 17.159, 113.464**.

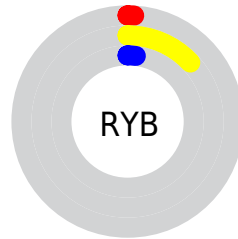
Distribution



Red (12%)

Green (13%)

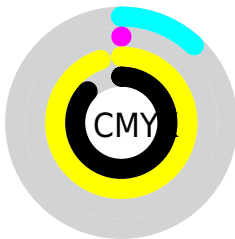
Blue (1%)



Red (1%)

Yellow (13%)

Blue (2%)

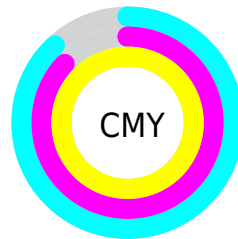


Cyan (12%)

Magenta (0%)

Yellow (95%)

Black (87%)



Cyan (88%)

Magenta (87%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 18.559, 113.767 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, 18.559, 113.767 by changing the saturation by 10% instead.

■ 12, 18.559,
113.767

■ 12, 18.559,
113.767

■ 100, 18.559,
113.767

■ 2, 18.559, 113.767

■ 32, 18.559,
113.767

■ 0, 18.559, 113.767

■ 42, 18.559,
113.767


■ 52, 18.559,
113.767


■ 62, 18.559,
113.767


■ 72, 18.559,
113.767


■ 82, 18.559,


113.767


 92, 18.559,
113.767


 12, 18.559,
113.767


 12, 18.559,
113.767


 12, 19.222,
113.910

 12, 17.159,
113.464

 12, 15.764,
113.149

 12, 14.341,
112.833

 12, 12.681,
112.619

 12, 10.739,
112.590

■ 13, 8.506, 112.918

■ 13, 6.117, 113.512

■ 13, 3.706, 114.106

■ 13, 1.281, 114.691

Harmonies

Complementary

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



12, 18.559, 113.767



2, 19.355, 294.584

Rectangle

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



12, 18.559, 113.767



12, 18.559, 163.767



12, 18.559, 293.767



12, 18.559, 343.767

Sweetspot

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



12, 18.560, 113.769



17, 8.671, 113.171



4, 13.018, 26.077



7, 5.071, 115.723



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, 18.560, 113.769



16, 25.191, 111.442



11, 21.586, 135.753



5, 1.030, 115.167



33, 42.743, 109.721



79, 84.332, 110.374

Inverse Universe

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



2, 19.355, 294.584



2, 27.717, 297.103



3, 20.565, 310.125



5, 1.032, 294.833



6, 56.909, 306.762



26, 114.467, 306.691

Previews

White Background



This preview shows how the CIELCh color 12, 18.559, 113.767 looks on a white background.

Color Contrast Check

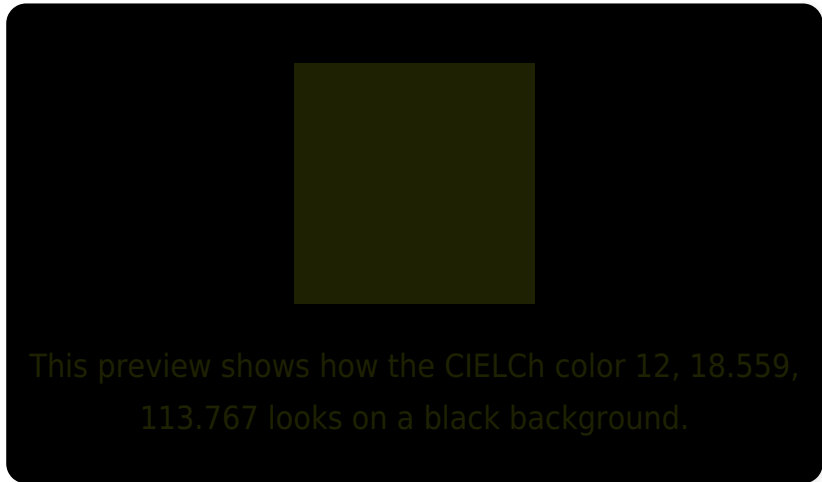
Large Text (above 18pt) WCAG AA ✓ Pass

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

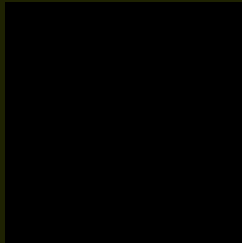
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

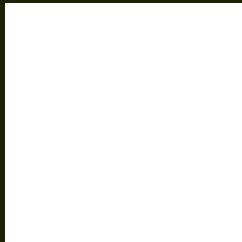
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 12, 18.559, 113.767

Background



This preview shows how black text looks on a background with the CIELCh color 12, 18.559, 113.767.

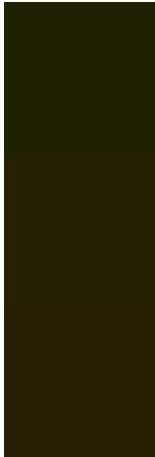


This preview shows how white text looks on a background with the CIELCh color 12, 18.559, 113.767.

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

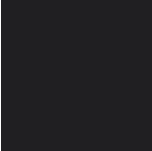
12, 18.559, 113.767

Protanopia

12, 17.996, 99.288

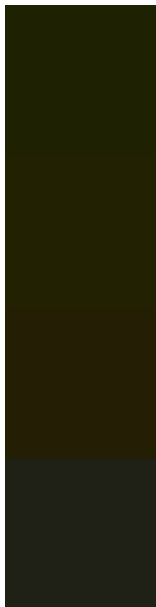
Deuteranopia

12, 15.327, 84.578



Tritanopia
12, 2.239, 303.407

Trichromacy



Original Color
12, 18.559, 113.767

Protanomaly
12, 18.116, 104.853

Deuteranomaly
12, 15.823, 96.426

Tritanomaly
12, 7.198, 112.219

Monochromacy



Original Color
12, 18.559, 113.767

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 8.574, 115.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 18.559, 113.767 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, 34, 2)` looks like.

```
.text, #text, p{  
    color:rgb(30, 34, 2)  
}
```

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, 34, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 34, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 18.559, 113.767 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, 34, 2) }
```

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

```
.border{ border-color:rgb(30, 34, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 34, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 34, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(30, 34, 2); box-shadow:4px  
4px 4px 4px rgb(30, 34, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 18.559, 113.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 34, 2) }
```

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

```
.background{ background-color: rgb(30, 34,  
2) }
```

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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