

Converting Colors

CIELCh(12, 16.085, 132.277)

Have a look what the booklet for
CIELCh(12, 16.085, 132.277)
contains.

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Color

CIELCh(12, 16.221, 131.879)

Conversions

Conversions Part 1

Format	Color
Hex	16230D
RGB	22, 35, 13
RGB Percent	9%, 14%, 5%
CMY	0.9135, 0.8625, 0.9487
CMYK	0.37, 0.00, 0.63, 0.86
HSL	96°, 46%, 9%
HSV	96°, 63%, 14%
XYZ	1.0082, 1.4064, 0.6021
YIQ	28.6050, -0.6860, -9.5980

Conversions

Conversions Part 2

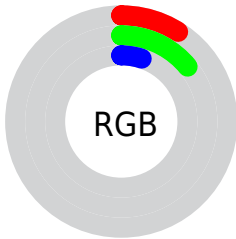
Format	Color
R_{YB}	13, 35, 26
Decimal	1450765
CIE _{Lab}	12.00, -10.83, 12.08
CIE _{LCh}	12, 16.221, 131.879
Y _{xy}	1.4064, 0.3342, 0.4662
Android (android.graphics.Color)	4279640845 (0xFF16230D)
YUV	28.6050, -7.6933, -5.7926
Hunter-Lab	11.8591, -5.5776, 5.2911

Details

The CIELCh color **12, 16.221, 131.879** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 16.679, 312.684**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 16.520, 132.077**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 18.151, 132.833**, and if you desaturate by 10%, it is **12, 14.034, 131.147**.

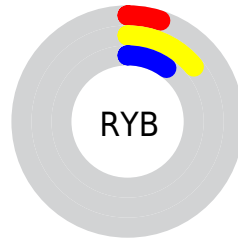
Distribution



Red (9%)

Green (14%)

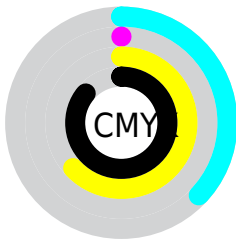
Blue (5%)



Red (5%)

Yellow (14%)

Blue (10%)

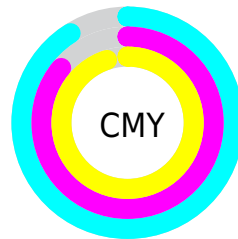


Cyan (37%)

Magenta (0%)

Yellow (63%)

Black (86%)



Cyan (91%)

Magenta (86%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 16.221, 131.879 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, 16.221, 131.879 by changing the saturation by 10% instead.

■ 12, 16.221,
131.879

■ 12, 16.221,
131.879

■ 100, 16.221,
131.879

■ 2, 16.221, 131.879

■ 32, 16.221,
131.879

■ 0, 16.221, 131.879

■ 42, 16.221,
131.879


■ 52, 16.221,
131.879


■ 62, 16.221,
131.879


■ 72, 16.221,
131.879


■ 82, 16.221,


131.879


 92, 16.221,
131.879


 12, 16.221,
131.879


 12, 16.221,
131.879

 12, 18.151,
132.833


 12, 14.034,
131.147

 12, 19.996,
133.720

 12, 11.582,
130.819

 11, 21.855,
134.430

 13, 8.901, 131.106

 11, 23.196,
134.788

 13, 6.176, 131.473

 13, 3.446, 131.825

 14, 0.722, 132.200

■ 14, 1.985, 312.415

■ 14, 4.668, 312.706

■ 15, 7.321, 312.963

Harmonies

Complementary

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



12, 16.221, 131.879



6, 16.679, 312.684

Rectangle

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



12, 16.221, 131.879



12, 16.221, 181.879



12, 16.221, 311.879



12, 16.221, 1.879

Sweetspot

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



12, 16.222, 131.880



18, 6.509, 131.555



10, 9.754, 75.969



7, 3.826, 133.089



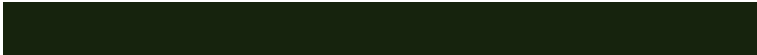
62, 0.008, 296.813



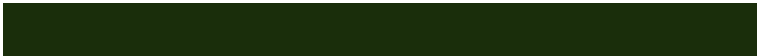
8, 0.002, 296.812

Same Dimension

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



12, 16.222, 131.880



16, 24.422, 130.218



11, 17.662, 144.251



5, 1.115, 132.565



30, 48.350, 129.413



75, 96.756, 130.891

Inverse Universe

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



6, 16.679, 312.684



7, 26.270, 314.586



7, 17.637, 329.359



5, 1.112, 311.871



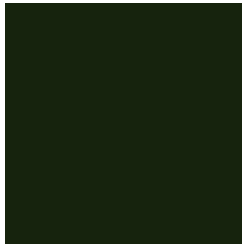
11, 53.115, 315.122



36, 105.417, 314.103

Previews

White Background



This preview shows how the CIELCh color 12, 16.221, 131.879 looks on a white background.

Color Contrast Check

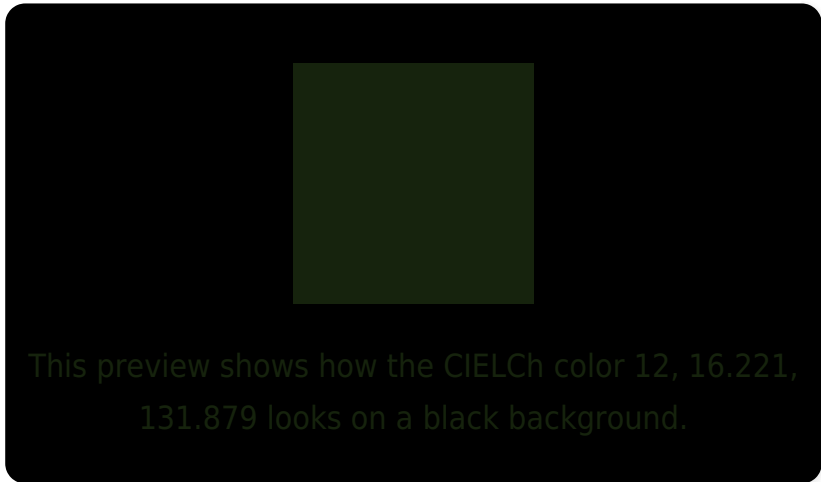
Large Text (above 18pt) WCAG AA ✓ Pass

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

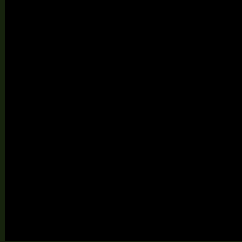
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 16.221, 131.879

Background



This preview shows how black text looks on a background with the CIELCh color 12, 16.221, 131.879.

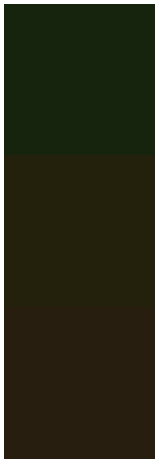


This preview shows how white text looks on a background with the CIELCh color 12, 16.221, 131.879.

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

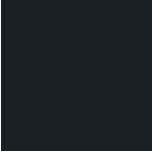
12, 16.221, 131.879

Protanopia

12, 13.064, 99.497

Deuteranopia

12, 11.434, 80.714



Tritanopia
12, 3.929, 220.343

Trichromacy



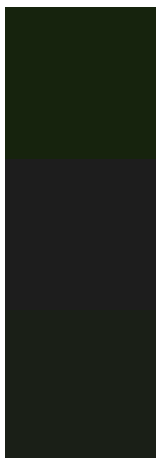
Original Color
12, 16.221, 131.879

Protanomaly
12, 13.742, 113.987

Deuteranomaly
12, 12.007, 104.464

Tritanomaly
12, 7.133, 152.596

Monochromacy



Original Color
12, 16.221, 131.879

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 6.382, 132.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 16.221, 131.879 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(22, 35, 13)` looks like.

```
.text, #text, p{  
    color:rgb(22, 35, 13)  
}
```

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(22, 35, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 35, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 16.221, 131.879 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(22, 35, 13) }
```

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

```
.border{ border-color:rgb(22, 35, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 35, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 35, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 35, 13);  
box-shadow:4px 4px 4px 4px rgb(22, 35, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 16.221, 131.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 35, 13) }
```

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

```
.background{ background-color: rgb(22, 35,  
13) }
```

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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