

Converting Colors

CIELCh(11, 16.462, 130.468)

Have a look what the booklet for
CIELCh(11, 16.462, 130.468)
contains.

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Color

CIELCh(11, 16.462, 130.468)

Conversions

Conversions Part 1

Format	Color
Hex	152109
RGB	21, 33, 9
RGB Percent	8%, 13%, 4%
CMY	0.9179, 0.8709, 0.9653
CMYK	0.36, 0.00, 0.73, 0.87
HSL	90°, 58%, 8%
HSV	90°, 73%, 13%
XYZ	0.8978, 1.2610, 0.4504
YIQ	26.6760, 0.5520, -10.0080

Conversions

Conversions Part 2

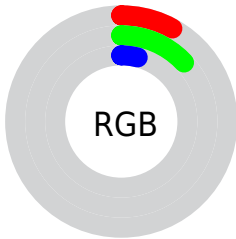
Format	Color
RYB	9, 33, 21
Decimal	1384713
CIELab	11.00, -10.68, 12.52
CIELCh	11, 16.462, 130.468
Yxy	1.2610, 0.3441, 0.4833
Android (android.graphics.Color)	4279574793 (0xFF152109)
YUV	26.6760, -8.7143, -4.9779
Hunter-Lab	11.2295, -5.3800, 5.4828

Details

The CIELCh color **11, 16.462, 130.468** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 16.310, 306.844**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 16.431, 130.653**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 18.131, 131.395**, and if you desaturate by 10%, it is **11, 14.767, 129.434**.

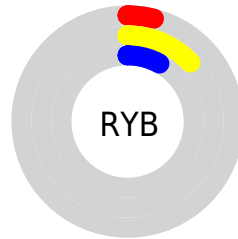
Distribution



Red (8%)

Green (13%)

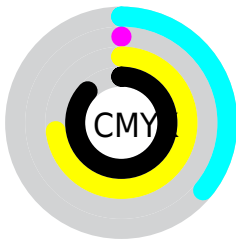
Blue (4%)



Red (4%)

Yellow (13%)

Blue (8%)

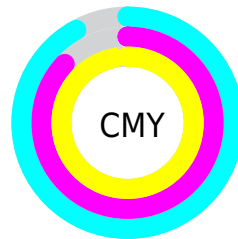


Cyan (36%)

Magenta (0%)

Yellow (73%)

Black (87%)



Cyan (92%)

Magenta (87%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 16.462, 130.468 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 11, 16.462, 130.468 by changing the saturation by 10% instead.

■ 11, 16.462,
130.468

■ 11, 16.462,
130.468

■ 100, 16.462,
130.468

■ 1, 16.462, 130.468

■ 31, 16.462,
130.468

■ 0, 16.462, 130.468

■ 41, 16.462,
130.468


■ 51, 16.462,
130.468


■ 61, 16.462,
130.468

■ 71, 16.462,
130.468


■ 81, 16.462,


130.468


 91, 16.462,
130.468


 11, 16.462,
130.468


 11, 16.462,
130.468


 11, 18.131,
131.395

 11, 14.767,
129.434

 11, 19.799,
132.112

 11, 12.858,
128.544

 11, 20.932,
132.456

 12, 10.716,
127.930

 12, 8.331, 127.858

 12, 5.818, 128.220

 12, 3.296, 128.574

■ 13, 0.775, 128.942

■ 13, 1.735, 309.192

■ 13, 4.229, 309.498

Harmonies

Complementary

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



11, 16.462, 130.468



4, 16.310, 306.844

Rectangle

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



11, 16.462, 130.468



11, 16.462, 180.468



11, 16.462, 310.468



11, 16.462, 0.468

Sweetspot

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



11, 16.463, 130.469



17, 7.012, 128.198



8, 9.291, 60.297



7, 4.175, 130.068



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



11, 16.463, 130.469



15, 25.199, 128.271



10, 19.139, 143.437



4, 0.834, 129.341



30, 45.986, 126.477



74, 93.118, 128.099

Inverse Universe

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



4, 16.310, 306.844



4, 26.811, 309.617



6, 19.179, 325.911



4, 0.833, 308.649



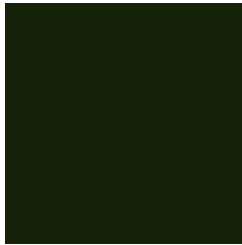
9, 52.910, 312.876



33, 106.589, 311.766

Previews

White Background



This preview shows how the CIELCh color 11, 16.462, 130.468 looks on a white background.

Color Contrast Check

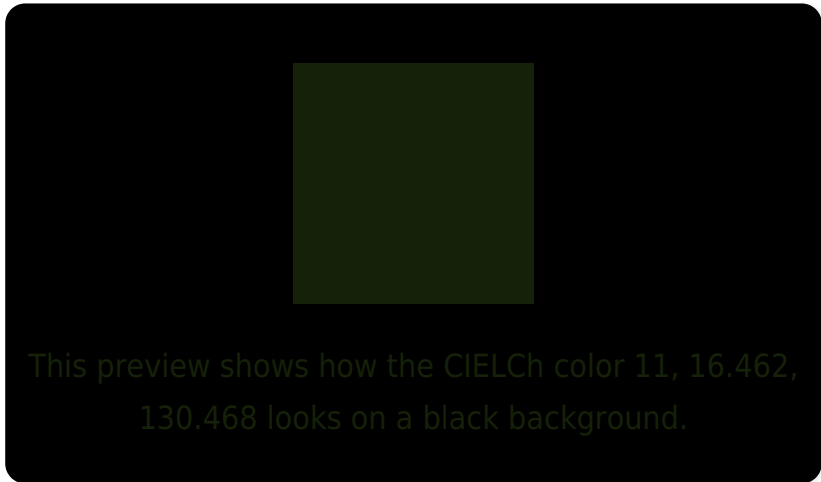
Large Text (above 18pt) WCAG AA ✓ Pass

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

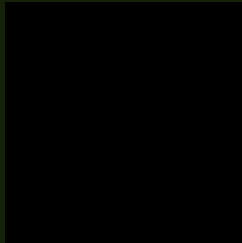
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

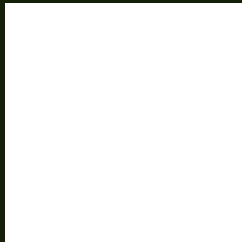
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 11, 16.462, 130.468

Background



This preview shows how black text looks on a background with the CIELCh color 11, 16.462, 130.468.

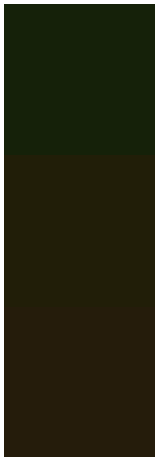


This preview shows how white text looks on a background with the CIELCh color 11, 16.462, 130.468.

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

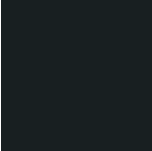
11, 16.462, 130.468

Protanopia

11, 13.341, 100.111

Deuteranopia

11, 11.884, 81.852



Tritanopia
11, 3.547, 223.113

Trichromacy



Original Color

11, 16.462, 130.468

Protanomaly

11, 13.998, 112.194

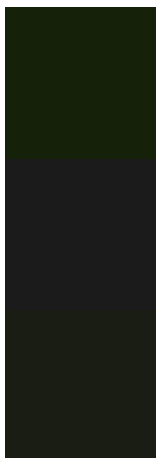
Deuteranomaly

11, 12.437, 105.067

Tritanomaly

11, 7.435, 146.215

Monochromacy



Original Color

11, 16.462, 130.468

Achromatopsia

10, 0.003, 296.813

Achromatomaly

10, 6.841, 126.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 16.462, 130.468 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(21, 33, 9)` looks like.

```
.text, #text, p{  
    color:rgb(21, 33, 9)  
}
```

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(21, 33, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 33, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 16.462, 130.468 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(21, 33, 9) }
```

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

```
.border{ border-color:rgb(21, 33, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 33, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 33, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(21, 33, 9); box-shadow:4px  
4px 4px 4px rgb(21, 33, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 11, 16.462, 130.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 33, 9) }
```

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

```
.background{ background-color: rgb(21, 33,  
9) }
```

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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