

Converting Colors

CIELCh(11, 13.188, 116.148)

Have a look what the booklet for
CIELCh(11, 13.188, 116.148)
contains.

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Color

CIELCh(11, 12.849, 115.100)

Conversions

Conversions Part 1

Format	Color
Hex	1C1F0B
RGB	28, 31, 11
RGB Percent	11%, 12%, 4%
CMY	0.8897, 0.8779, 0.9559
CMYK	0.10, 0.00, 0.64, 0.88
HSL	69°, 47%, 8%
HSV	69°, 64%, 12%
XYZ	1.0379, 1.2610, 0.5125
YIQ	27.8230, 4.6320, -6.8560

Conversions

Conversions Part 2

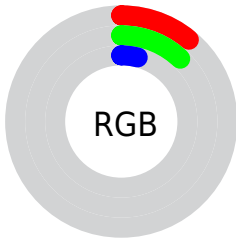
Format	Color
RYB	11, 31, 14
Decimal	1842955
CIELab	11.00, -5.45, 11.64
CIELCh	11, 12.849, 115.100
Yxy	1.2610, 0.3692, 0.4485
Android (android.graphics.Color)	4280033035 (0xFF1C1F0B)
YUV	27.8230, -8.2937, 0.1552
Hunter-Lab	11.2295, -3.1532, 5.1549

Details

The CIELCh color **11, 12.849, 115.100** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **4, 13.268, 295.347**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 12.727, 116.355**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 14.168, 115.583**, and if you desaturate by 10%, it is **11, 11.347, 114.688**.

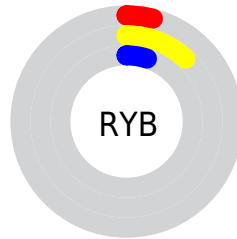
Distribution



Red (11%)

Green (12%)

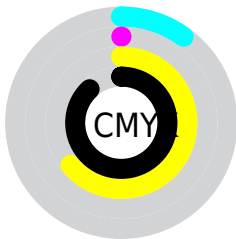
Blue (4%)



Red (4%)

Yellow (12%)

Blue (5%)

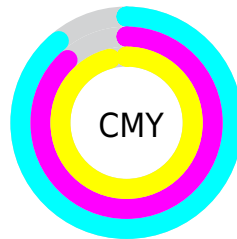


Cyan (10%)

Magenta (0%)

Yellow (64%)

Black (88%)



Cyan (89%)

Magenta (88%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 12.849, 115.100 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, 12.849, 115.100 by changing the saturation by 10% instead.

■ 11, 12.849,
115.100

■ 11, 12.849,
115.100

■ 100, 12.849,
115.100

■ 1, 12.849, 115.100

■ 31, 12.849,
115.100

■ 0, 12.849, 115.100

■ 41, 12.849,
115.100


■ 51, 12.849,
115.100


■ 61, 12.849,
115.100


■ 71, 12.849,
115.100


■ 81, 12.849,


115.100


 91, 12.849,
115.100

 11, 12.849,
115.100


 11, 12.849,
115.100

 11, 14.168,
115.583

 11, 11.347,
114.688


 11, 15.478,
116.037

 11, 9.609, 114.409

 11, 16.795,
116.467

 11, 7.627, 114.381

 11, 5.419, 114.823

 11, 17.598,
116.718

 12, 3.160, 115.374

 12, 0.891, 115.915

■ 12, 1.382, 296.450

■ 12, 3.655, 296.966

■ 12, 5.921, 297.464

Harmonies

Complementary

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



11, 12.849, 115.100



4, 13.268, 295.347

Rectangle

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



11, 12.849, 115.100



11, 12.849, 165.100



11, 12.849, 295.100



11, 12.849, 345.100

Sweetspot

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



11, 12.850, 115.102



16, 5.426, 115.012



6, 8.623, 28.733



6, 2.855, 116.642



61, 0.008, 296.813



6, 0.002, 296.812

Same Dimension

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



11, 12.850, 115.102



15, 19.885, 112.992



10, 14.720, 135.657



4, 0.789, 116.314



31, 42.006, 111.241



78, 83.991, 112.062

Inverse Universe

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



4, 13.268, 295.347



4, 21.718, 297.857



5, 14.360, 312.879



4, 0.791, 295.941



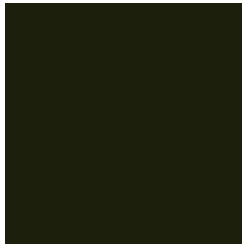
6, 55.258, 306.900



26, 113.123, 306.859

Previews

White Background



This preview shows how the CIELCh color 11, 12.849, 115.100 looks on a white background.

Color Contrast Check

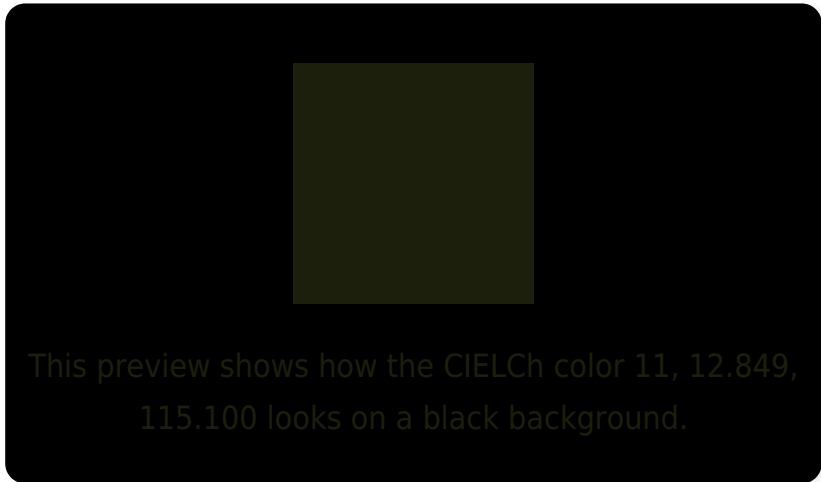
Large Text (above 18pt) WCAG AA ✓ Pass

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

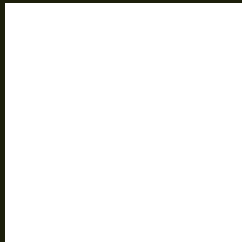
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 11, 12.849, 115.100

Background



This preview shows how black text looks on a background with the CIELCh color 11, 12.849, 115.100.

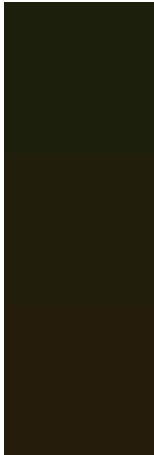


This preview shows how white text looks on a background with the CIELCh color 11, 12.849, 115.100.

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, 12.849, 115.100

Protanopia

11, 12.131, 99.448

Deuteranopia

11, 11.487, 80.990



Tritanopia
11, 1.554, 309.254

Trichromacy



Original Color
11, 12.849, 115.100

Protanomaly
11, 12.023, 104.985

Deuteranomaly
11, 11.253, 93.051

Tritanomaly
11, 4.395, 115.659

Monochromacy



Original Color
11, 12.849, 115.100

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 5.131, 114.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 12.849, 115.100 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(28, 31, 11)` looks like.

```
.text, #text, p{  
    color:rgb(28, 31, 11)  
}
```

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(28, 31, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 31, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 12.849, 115.100 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(28, 31, 11) }
```

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

```
.border{ border-color:rgb(28, 31, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 31, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 31, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 31, 11);  
box-shadow:4px 4px 4px 4px rgb(28, 31, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 12.849, 115.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 31, 11) }
```

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

```
.background{ background-color: rgb(28, 31,  
11) }
```

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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