

Converting Colors

CIELCh(11, 12.703, 142.770)

Have a look what the booklet for
CIELCh(11, 12.703, 142.770)
contains.

CIELCh(11, 13.158, 142.723)	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(11, 13.158, 142.723)

Conversions

Conversions Part 1

Format	Color
Hex	122112
RGB	18, 33, 18
RGB Percent	7%, 13%, 7%
CMY	0.9294, 0.8705, 0.9293
CMYK	0.45, 0.00, 0.45, 0.87
HSL	120°, 29%, 10%
HSV	120°, 45%, 13%
XYZ	0.9033, 1.2610, 0.7688
YIQ	26.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

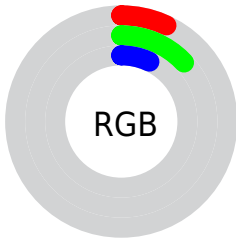
Format	Color
RYB	18, 33, 33
Decimal	1188114
CIELab	11.00, -10.47, 7.97
CIELCh	11, 13.158, 142.723
Yxy	1.2610, 0.3080, 0.4299
Android (android.graphics.Color)	4279378194 (0xFF122112)
YUV	26.8050, -4.3409, -7.7220
Hunter-Lab	11.2295, -5.2930, 3.8016

Details

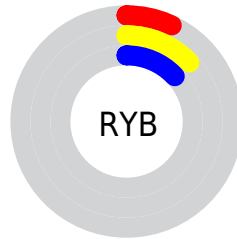
The CIELCh color **11, 13.158, 142.723** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 13.273, 326.274**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 12.979, 141.688**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 15.690, 143.166**, and if you desaturate by 10%, it is **11, 10.388, 142.685**.

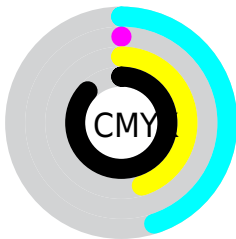
Distribution



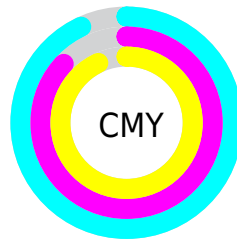
- Red (7%)
- Green (13%)
- Blue (7%)



- Red (7%)
- Yellow (13%)
- Blue (13%)



- Cyan (45%)
- Magenta (0%)
- Yellow (45%)
- Black (87%)



- Cyan (93%)
- Magenta (87%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 13.158, 142.723 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, 13.158, 142.723 by changing the saturation by 10% instead.

■ 11, 13.158,
142.723

■ 11, 13.158,
142.723

■ 100, 13.158,
142.723

■ 1, 13.158, 142.723

■ 31, 13.158,
142.723

■ 0, 13.158, 142.723

■ 41, 13.158,
142.723


■ 51, 13.158,
142.723


■ 61, 13.158,
142.723


■ 71, 13.158,
142.723


■ 81, 13.158,


142.723


 91, 13.158,
142.723

 11, 13.158,
142.723


 11, 13.158,
142.723

 11, 15.690,
143.166


 11, 10.388,
142.685

 10, 17.865,
143.521


 12, 7.457, 143.243

 10, 19.718,
143.751

 12, 4.512, 143.773

 10, 21.526,
143.928

 13, 1.580, 144.268

 10, 23.317,
144.068

 13, 4.174, 324.970

■ 10, 24.128,
144.121

■ 14, 6.973, 325.294

■ 15, 9.709, 325.577

■ 15, 12.380,
325.826

Harmonies

Complementary

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



11, 13.158, 142.723



8, 13.273, 326.274

Rectangle

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



11, 13.158, 142.723



11, 13.158, 192.723



11, 13.158, 322.723



11, 13.158, 12.723

Sweetspot

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



11, 13.158, 142.723



17, 5.161, 143.792



12, 10.470, 107.178



7, 3.251, 144.464



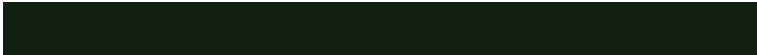
62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



11, 13.158, 142.723



15, 20.094, 140.974



11, 9.143, 160.415



4, 0.957, 144.482



28, 51.230, 136.025



73, 102.181, 136.018

Inverse Universe

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



8, 13.273, 326.274



10, 20.029, 326.787



7, 9.477, 346.947



4, 0.960, 324.413



17, 49.430, 328.242



49, 98.573, 328.243

Previews

White Background



This preview shows how the CIELCh color 11, 13.158, 142.723 looks on a white background.

Color Contrast Check

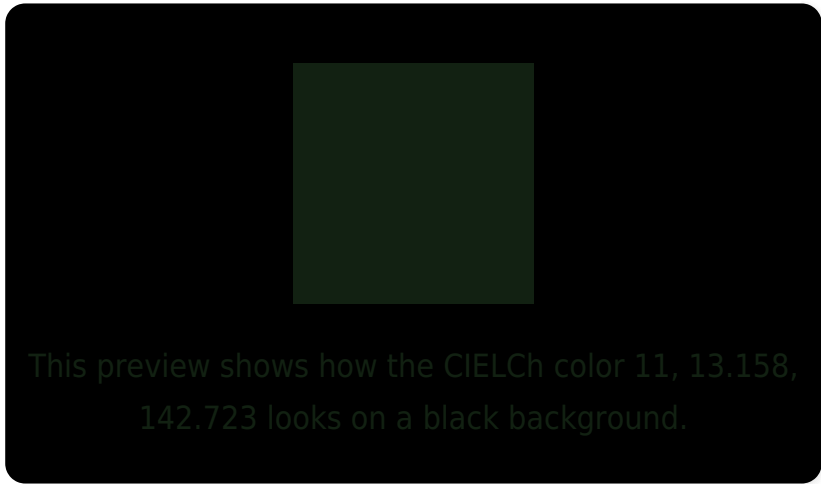
Large Text (above 18pt) WCAG AA ✓ Pass

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

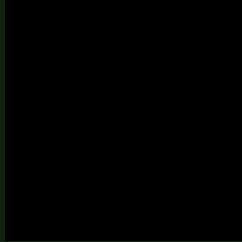
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 13.158, 142.723

Background



This preview shows how black text looks on a background with the CIELCh color 11, 13.158, 142.723.



This preview shows how white text looks on a background with the CIELCh color 11, 13.158, 142.723.

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, 13.158, 142.723

Protanopia

11, 9.076, 100.711

Deuteranopia

11, 7.863, 73.553



Tritanopia
11, 4.950, 224.895

Trichromacy



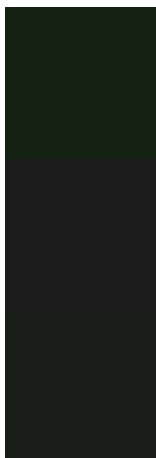
Original Color
11, 13.158, 142.723

Protanomaly
11, 9.975, 120.291

Deuteranomaly
11, 7.827, 111.954

Tritanomaly
11, 6.509, 170.975

Monochromacy



Original Color
11, 13.158, 142.723

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 4.508, 143.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 13.158, 142.723 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(18, 33, 18)` looks like.

```
.text, #text, p{  
    color:rgb(18, 33, 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(18, 33, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 33, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 13.158, 142.723 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(18, 33, 18) }
```

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

```
.border{ border-color:rgb(18, 33, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 33, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 33, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 33, 18);  
box-shadow:4px 4px 4px 4px rgb(18, 33, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 13.158, 142.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 33, 18) }
```

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

```
.background{ background-color: rgb(18, 33,  
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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