

Converting Colors

CIELCh(14, 13.040, 117.961)

Have a look what the booklet for
CIELCh(14, 13.040, 117.961)
contains.

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Color

CIELCh(14, 13.406, 118.102)

Conversions

Conversions Part 1

Format	Color
Hex	212613
RGB	33, 38, 19
RGB Percent	13%, 15%, 7%
CMY	0.8718, 0.8522, 0.9268
CMYK	0.13, 0.00, 0.50, 0.85
HSL	76°, 34%, 11%
HSV	76°, 50%, 15%
XYZ	1.4148, 1.7298, 0.8608
YIQ	34.3390, 3.1190, -6.9690

Conversions

Conversions Part 2

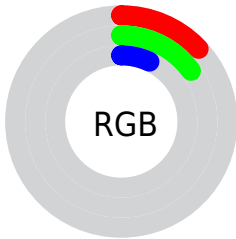
Format	Color
RYB	19, 38, 24
Decimal	2172435
CIELab	14.00, -6.31, 11.83
CIElCh	14, 13.406, 118.102
Yxy	1.7298, 0.3532, 0.4319
Android (android.graphics.Color)	4280362515 (0xFF212613)
YUV	34.3390, -7.5621, -1.1743
Hunter-Lab	13.1521, -3.8145, 5.3260

Details

The CIELCh color **14, 13.406, 118.102** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **7, 14.521, 303.033**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 13.807, 117.463**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 15.629, 118.225**, and if you desaturate by 10%, it is **14, 10.858, 118.456**.

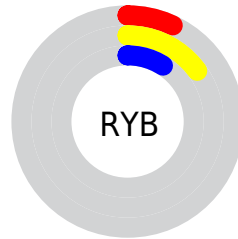
Distribution



Red (13%)

Green (15%)

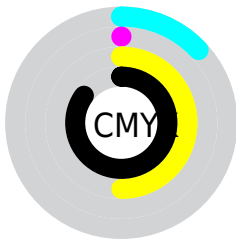
Blue (7%)



Red (7%)

Yellow (15%)

Blue (9%)

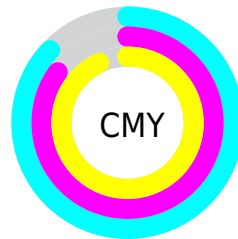


Cyan (13%)

Magenta (0%)

Yellow (50%)

Black (85%)



Cyan (87%)

Magenta (85%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 13.406, 118.102 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 14, 13.406, 118.102 by changing the saturation by 10% instead.

■ 14, 13.406,
118.102

■ 14, 13.406,
118.102

■ 100, 13.406,
118.102

■ 4, 13.406, 118.102

■ 34, 13.406,
118.102

■ 0, 13.406, 118.102

■ 44, 13.406,
118.102


■ 54, 13.406,
118.102


■ 64, 13.406,
118.102


■ 74, 13.406,
118.102


■ 84, 13.406,


118.102


 94, 13.406,
118.102

 14, 13.406,
118.102


 14, 13.406,
118.102

 14, 15.629,
118.225

 14, 10.858,
118.456


 14, 17.513,
118.649

 14, 8.208, 118.937


 14, 19.156,
119.217

 15, 5.525, 119.423

 15, 2.825, 119.905

 13, 20.798,
119.747

 15, 0.117, 120.465

 13, 22.380,
120.218

 15, 2.589, 300.819

■ 15, 5.288, 301.256

■ 16, 7.974, 301.672

■ 16, 10.644,
302.066

Harmonies

Complementary

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



14, 13.406, 118.102



7, 14.521, 303.033

Rectangle

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



14, 13.406, 118.102



14, 13.406, 168.102



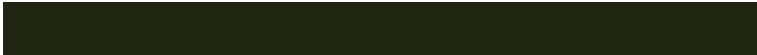
14, 13.406, 298.102



14, 13.406, 348.102

Sweetspot

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



14, 13.407, 118.104



20, 5.022, 119.640



10, 8.755, 43.012



9, 3.411, 120.260



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



14, 13.407, 118.104



19, 19.855, 117.386



13, 15.185, 135.435



5, 1.045, 120.692



32, 43.931, 116.913



78, 87.098, 118.135

Inverse Universe

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



7, 14.521, 303.033



8, 22.334, 304.566



8, 15.586, 318.974



5, 1.046, 300.089



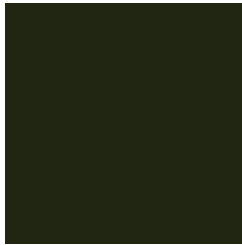
7, 56.330, 308.518



28, 112.596, 307.806

Previews

White Background



This preview shows how the CIELCh color 14, 13.406, 118.102 looks on a white background.

Color Contrast Check

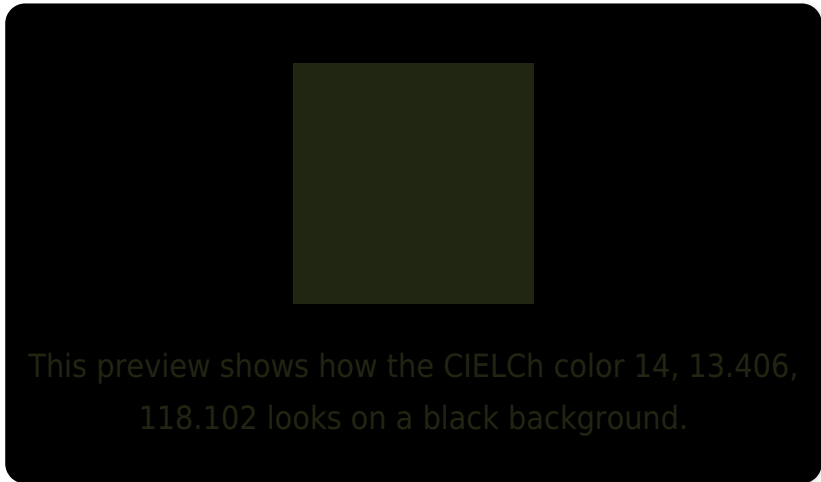
Large Text (above 18pt) WCAG AA ✓ Pass

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

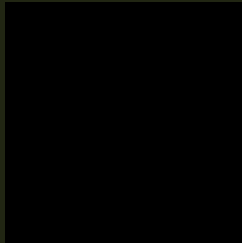
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

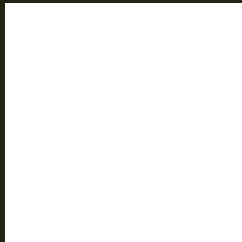
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 13.406, 118.102

Background



This preview shows how black text looks on a background with the CIELCh color 14, 13.406, 118.102.

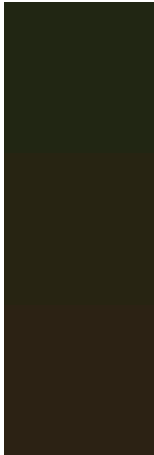


This preview shows how white text looks on a background with the CIELCh color 14, 13.406, 118.102.

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


14, 13.406, 118.102

Protanopia

14, 12.570, 98.989

Deuteranopia

14, 11.458, 77.988



Tritanopia
14, 1.494, 271.958

Trichromacy



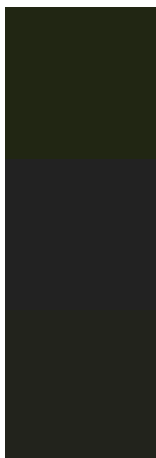
Original Color
14, 13.406, 118.102

Protanomaly
14, 13.088, 106.483

Deuteranomaly
14, 10.924, 92.361

Tritanomaly
14, 4.517, 128.518

Monochromacy



Original Color
14, 13.406, 118.102

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 5.006, 114.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 13.406, 118.102 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(33, 38, 19)` looks like.

```
.text, #text, p{  
    color:rgb(33, 38, 19)  
}
```

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(33, 38, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 38, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 13.406, 118.102 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(33, 38, 19) }
```

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

```
.border{ border-color:rgb(33, 38, 19) }
```

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

Here you see how a box with a 4 pixel rgb(33, 38, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 38, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 38, 19);  
box-shadow:4px 4px 4px 4px rgb(33, 38, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 13.406, 118.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 38, 19) }
```

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

```
.background{ background-color: rgb(33, 38,  
19) }
```

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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