

Converting Colors

CIELCh(13, 15.154, 139.779)

Have a look what the booklet for
CIELCh(13, 15.154, 139.779)
contains.

CIELCh(13, 14.520, 140.550)	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(13, 14.520, 140.550)

Conversions

Conversions Part 1

Format	Color
Hex	152514
RGB	21, 37, 20
RGB Percent	8%, 15%, 8%
CMY	0.9162, 0.8534, 0.9201
CMYK	0.43, 0.00, 0.46, 0.85
HSL	117°, 29%, 11%
HSV	117°, 46%, 15%
XYZ	1.1203, 1.5625, 0.9220
YIQ	30.2780, -4.0790, -8.6790

Conversions

Conversions Part 2

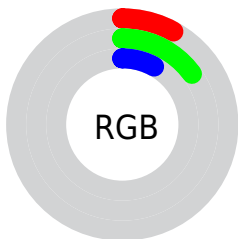
Format	Color
R_{YB}	20, 37, 36
Decimal	1385748
CIE _{Lab}	13.00, -11.21, 9.23
CIE _{LCh}	13, 14.520, 140.550
Yxy	1.5625, 0.3108, 0.4335
Android (android.graphics.Color)	4279575828 (0xFF152514)
YUV	30.2780, -5.0671, -8.1368
Hunter-Lab	12.5000, -5.8777, 4.3768

Details

The CIELCh color **13, 14.520, 140.550** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 14.570, 324.643**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 14.913, 140.456**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 17.442, 140.465**, and if you desaturate by 10%, it is **13, 11.366, 141.150**.

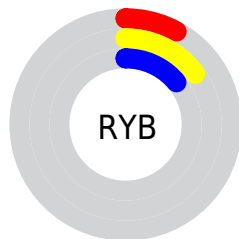
Distribution



Red (8%)

Green (15%)

Blue (8%)



Red (8%)

Yellow (15%)

Blue (14%)

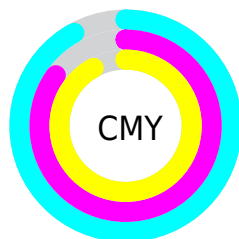


Cyan (43%)

Magenta (0%)

Yellow (46%)

Black (85%)



Cyan (92%)

Magenta (85%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 14.520, 140.550 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 13, 14.520, 140.550 by changing the saturation by 10% instead.

■ 13, 14.520,
140.550

■ 13, 14.520,
140.550

■ 100, 14.520,
140.550

■ 3, 14.520, 140.550

■ 33, 14.520,
140.550

■ 0, 14.520, 140.550

■ 43, 14.520,
140.550


■ 53, 14.520,
140.550


■ 63, 14.520,
140.550


■ 73, 14.520,
140.550


■ 83, 14.520,


140.550


 93, 14.520,
140.550

 13, 14.520,
140.550


 13, 14.520,
140.550

 13, 17.442,
140.465


 13, 11.366,
141.150

 12, 20.043,
140.788


 14, 8.161, 141.717

 12, 22.311,
141.277

 14, 4.946, 142.226

 12, 24.454,
141.636

 15, 1.745, 142.700

 12, 26.583,
141.927

 16, 4.541, 323.377

■ 12, 27.538,
142.041

■ 16, 7.600, 323.688

■ 17, 10.593,
323.958

■ 17, 13.515,
324.194

Harmonies

Complementary

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



13, 14.520, 140.550



9, 14.570, 324.643

Rectangle

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



13, 14.520, 140.550



13, 14.520, 190.550



13, 14.520, 320.550



13, 14.520, 10.550

Sweetspot

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



13, 14.520, 140.550



19, 5.566, 142.253



14, 11.124, 103.739



8, 3.850, 142.865



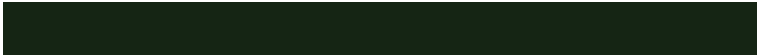
63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



13, 14.520, 140.550



17, 21.676, 139.612



13, 10.730, 156.977



5, 1.230, 142.969



29, 51.922, 135.401



73, 102.833, 135.807

Inverse Universe

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



9, 14.570, 324.643



12, 21.712, 325.100



9, 11.049, 343.343



5, 1.231, 322.785



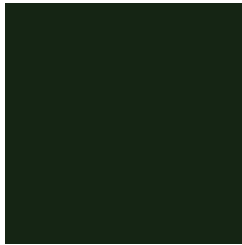
16, 50.664, 326.142



48, 99.825, 325.939

Previews

White Background



This preview shows how the CIELCh color 13, 14.520, 140.550 looks on a white background.

Color Contrast Check

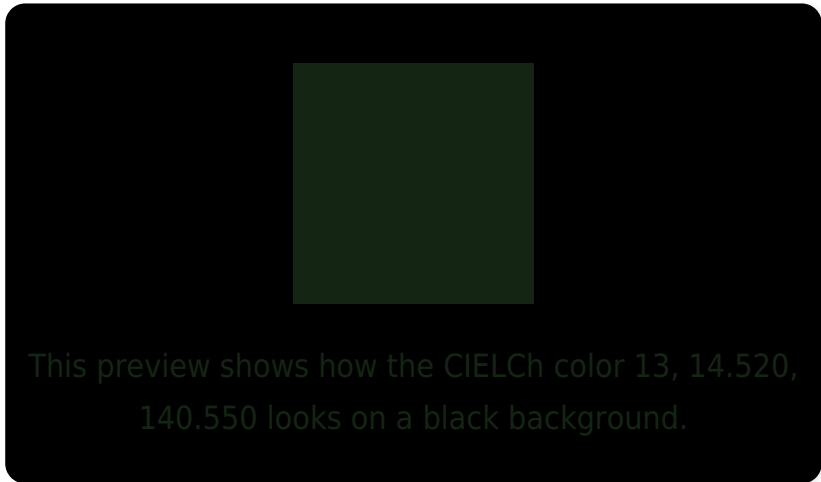
Large Text (above 18pt) WCAG AA ✓ Pass

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

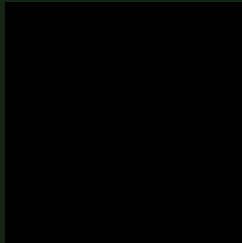
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 14.520, 140.550

Background



This preview shows how black text looks on a background with the CIELCh color 13, 14.520, 140.550.



This preview shows how white text looks on a background with the CIELCh color 13, 14.520, 140.550.

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

13, 14.520, 140.550

Protanopia

13, 10.661, 98.099

Deuteranopia

13, 8.471, 76.552



Tritanopia
13, 4.908, 224.700

Trichromacy



Original Color
13, 14.520, 140.550

Protanomaly
13, 10.776, 118.617

Deuteranomaly
13, 9.230, 110.764

Tritanomaly
13, 6.421, 171.219

Monochromacy



Original Color
13, 14.520, 140.550

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 5.317, 143.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 14.520, 140.550 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, 37, 20)` looks like.

```
.text, #text, p{  
    color:rgb(21, 37, 20)  
}
```

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, 37, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 37, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 14.520, 140.550 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, 37, 20) }
```

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

```
.border{ border-color:rgb(21, 37, 20) }
```

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

Here you see how a box with a 4 pixel rgb(21, 37, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 37, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 37, 20);  
box-shadow:4px 4px 4px 4px rgb(21, 37, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 14.520, 140.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 37, 20) }
```

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

```
.background{ background-color: rgb(21, 37,  
20) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor