

Converting Colors

CIELCh(14, 15.962, 111.840)

Have a look what the booklet for
CIELCh(14, 15.962, 111.840)
contains.

CIELCh(14, 15.813, 110.144)	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(14, 15.813, 110.144)

Conversions

Conversions Part 1

Format	Color
Hex	23250D
RGB	35, 37, 13
RGB Percent	14%, 15%, 5%
CMY	0.8618, 0.8539, 0.9477
CMYK	0.05, 0.00, 0.64, 0.85
HSL	65°, 47%, 10%
HSV	65°, 64%, 15%
XYZ	1.4450, 1.7298, 0.6496
YIQ	33.6660, 6.5120, -7.8880

Conversions

Conversions Part 2

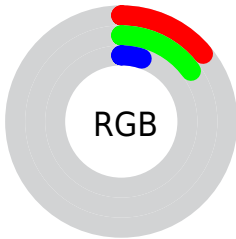
Format	Color
R_{YB}	13, 37, 15
Decimal	2303245
CIE Lab	14.00, -5.45, 14.85
CIE LCh	14, 15.813, 110.144
Yxy	1.7298, 0.3778, 0.4523
Android (android.graphics.Color)	4280493325 (0xFF23250D)
YUV	33.6660, -10.1883, 1.1699
Hunter-Lab	13.1521, -3.4045, 6.2778

Details

The CIELCh color **14, 15.813, 110.144** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 17.035, 295.537**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 16.079, 110.753**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 17.455, 110.221**, and if you desaturate by 10%, it is **14, 13.835, 110.239**.

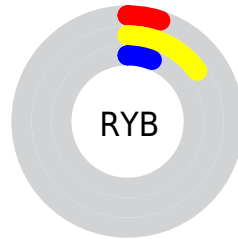
Distribution



Red (14%)

Green (15%)

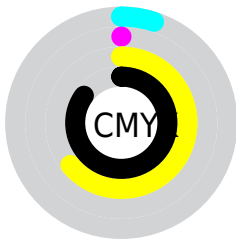
Blue (5%)



Red (5%)

Yellow (15%)

Blue (6%)

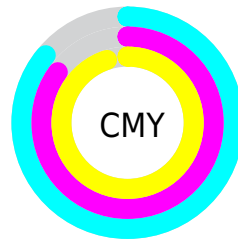


Cyan (5%)

Magenta (0%)

Yellow (64%)

Black (85%)



Cyan (86%)

Magenta (85%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 15.813, 110.144 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, 15.813, 110.144 by changing the saturation by 10% instead.

■ 14, 15.813,
110.144

■ 14, 15.813,
110.144

■ 100, 15.813,
110.144

■ 4, 15.813, 110.144

■ 34, 15.813,
110.144

■ 0, 15.813, 110.144

■ 44, 15.813,
110.144


■ 54, 15.813,
110.144


■ 64, 15.813,
110.144


■ 74, 15.813,
110.144


■ 84, 15.813,


110.144


 94, 15.813,
110.144


 14, 15.813,
110.144


 14, 15.813,
110.144

 14, 17.455,
110.221


 14, 13.835,
110.239

 14, 18.970,
110.349

 14, 11.503,
110.628

 14, 20.489,
110.485

 14, 8.953, 111.272

 14, 21.369,
110.568

 14, 6.361, 111.924

 15, 3.742, 112.576

 15, 1.110, 113.215

■ 15, 1.529, 293.864

■ 15, 4.168, 294.477

■ 15, 6.802, 295.074

Harmonies

Complementary

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



14, 15.813, 110.144



5, 17.035, 295.537

Rectangle

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



14, 15.813, 110.144



14, 15.813, 160.144



14, 15.813, 290.144



14, 15.813, 340.144

Sweetspot

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



14, 15.814, 110.146



20, 6.246, 112.181



7, 12.214, 24.891



9, 4.199, 113.074



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, 15.814, 110.146



19, 23.484, 108.758



13, 17.575, 131.021



5, 1.028, 113.610



33, 42.551, 107.604



80, 83.879, 108.063

Inverse Universe

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



5, 17.035, 295.537



5, 26.982, 299.245



6, 18.371, 313.070



5, 1.030, 293.375



6, 57.005, 306.371



26, 114.777, 306.521

Previews

White Background



This preview shows how the CIELCh color 14, 15.813, 110.144 looks on a white background.

Color Contrast Check

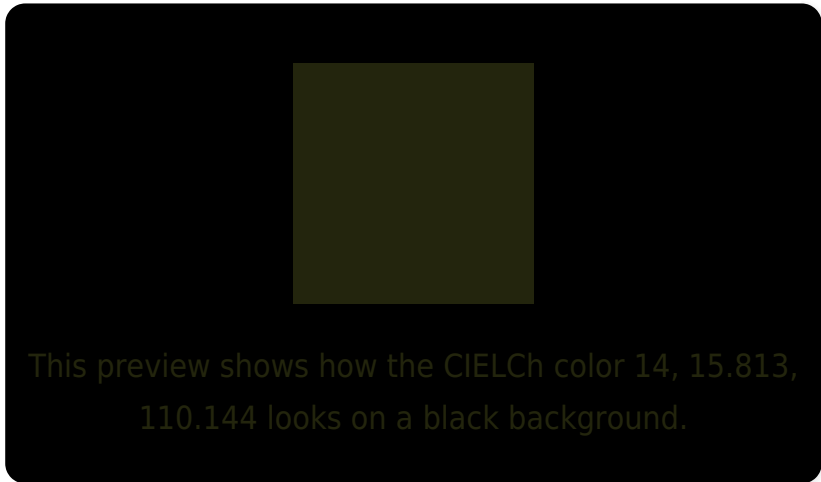
Large Text (above 18pt) WCAG AA ✓ Pass

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

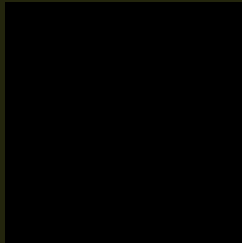
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

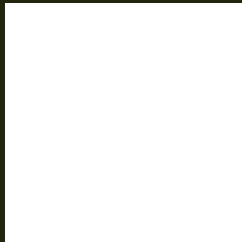
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 15.813, 110.144

Background



This preview shows how black text looks on a background with the CIELCh color 14, 15.813, 110.144.

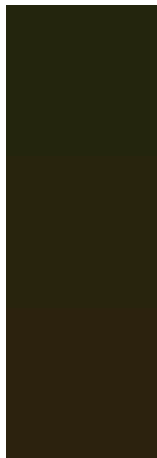


This preview shows how white text looks on a background with the CIELCh color 14, 15.813, 110.144.

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, 15.813, 110.144

Protanopia

14, 15.330, 97.658

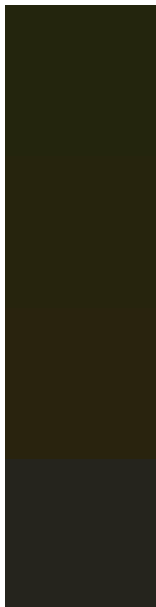
Deuteranopia

14, 14.653, 83.511



Tritanopia
14, 2.598, 324.746

Trichromacy



Original Color

14, 15.813, 110.144

Protanomaly

14, 15.182, 101.939

Deuteranomaly

14, 14.460, 92.740

Tritanomaly

14, 4.978, 102.761

Monochromacy



Original Color

14, 15.813, 110.144

Achromatopsia

13, 0.003, 296.813

Achromatomaly

13, 6.412, 112.980

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 15.813, 110.144 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(35, 37, 13)` looks like.

```
.text, #text, p{  
    color:rgb(35, 37, 13)  
}
```

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(35, 37, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 37, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 15.813, 110.144 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(35, 37, 13) }
```

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

```
.border{ border-color:rgb(35, 37, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 37, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 37, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 37, 13);  
box-shadow:4px 4px 4px 4px rgb(35, 37, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 15.813, 110.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 37, 13) }
```

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

```
.background{ background-color: rgb(35, 37,  
13) }
```

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