

Converting Colors

CIELCh(14, 21.988, 110.001)

Have a look what the booklet for
CIELCh(14, 21.988, 110.001)
contains.

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Color

CIELCh(14, 21.831, 110.066)

Conversions

Conversions Part 1

Format	Color
Hex	232600
RGB	35, 38, 0
RGB Percent	14%, 15%, 0%
CMY	0.8633, 0.8516, 1.0000
CMYK	0.08, 0.00, 1.00, 0.85
HSL	65°, 100%, 7%
HSV	65°, 100%, 15%
XYZ	1.3746, 1.7298, 0.2539
YIQ	32.7710, 10.4100, -12.4540

Conversions

Conversions Part 2

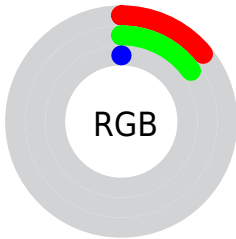
Format	Color
RYB	0, 38, 3
Decimal	2303488
CIELab	14.00, -7.49, 20.51
CIELCh	14, 21.831, 110.066
Yxy	1.7298, 0.4093, 0.5151
Android (android.graphics.Color)	4280493568 (0xFF232600)
YUV	32.7710, -16.1561, 1.9548
Hunter-Lab	13.1521, -4.3597, 8.0617

Details

The CIELCh color **14, 21.831, 110.066** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1, 23.252, 294.366**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 22.015, 110.154**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 21.726, 110.091**, and if you desaturate by 10%, it is **14, 20.185, 109.975**.

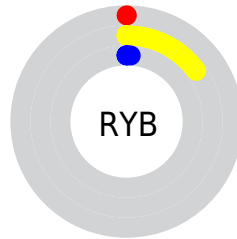
Distribution



Red (14%)

Green (15%)

Blue (0%)



Red (0%)

Yellow (15%)

Blue (1%)

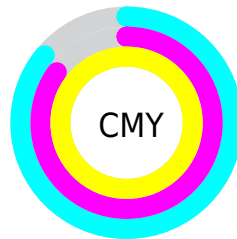


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (85%)



Cyan (86%)


Magenta (85%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 21.831, 110.066 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, 21.831, 110.066 by changing the saturation by 10% instead.

 14, 21.831,
110.066

 14, 21.831,
110.066

 100, 21.831,
110.066


 4, 21.831, 110.066

 34, 21.831,
110.066

 0, 21.831, 110.066

 44, 21.831,
110.066


 54, 21.831,
110.066


 64, 21.831,
110.066

 74, 21.831,
110.066


 84, 21.831,


110.066

 94, 21.831,
110.066


 14, 21.831,
110.066


 14, 21.831,
110.066


 14, 21.726,
110.091

 14, 20.185,
109.975

 14, 18.646,
109.869

 14, 17.091,
109.781

 14, 15.266,
109.807

 14, 13.083,
110.055

■ 15, 10.570,
110.640

■ 15, 7.967, 111.298

■ 15, 5.328, 111.960

■ 15, 2.668, 112.618

Harmonies

Complementary

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



14, 21.831, 110.066



1, 23.252, 294.366

Rectangle

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



14, 21.831, 110.066



14, 21.831, 160.066



14, 21.831, 290.066



14, 21.831, 340.066

Sweetspot

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



14, 21.726, 110.091



20, 9.821, 111.173



4, 16.887, 22.857



9, 6.213, 113.282



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, 21.726, 110.091



19, 27.991, 108.291



13, 24.839, 132.910



5, 1.027, 113.381



33, 42.528, 107.291



80, 83.825, 107.720

Inverse Universe

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



1, 23.252, 294.366



2, 31.755, 297.737



3, 24.537, 309.090



5, 1.030, 293.162



6, 57.019, 306.312



26, 114.814, 306.501

Previews

White Background



This preview shows how the CIELCh color 14, 21.831, 110.066 looks on a white background.

Color Contrast Check

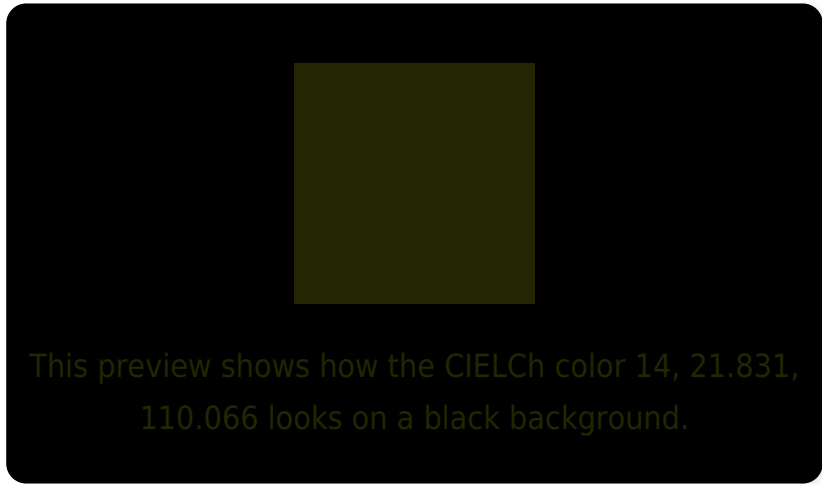
Large Text (above 18pt) WCAG AA ✓ Pass

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

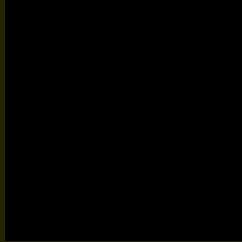
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

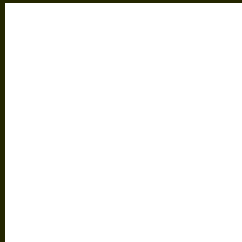
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 14, 21.831, 110.066

Background



This preview shows how black text looks on a background with the CIELCh color 14, 21.831, 110.066.

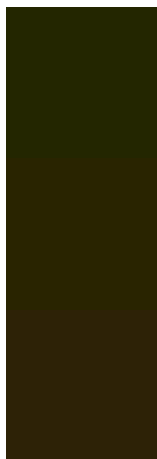


This preview shows how white text looks on a background with the CIELCh color 14, 21.831, 110.066.

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, 21.831, 110.066

Protanopia

14, 20.732, 97.560

Deuteranopia

14, 18.124, 85.303



Tritanopia
14, 2.598, 324.746

Trichromacy



Original Color
14, 21.831, 110.066

Protanomaly
14, 21.165, 102.428

Deuteranomaly
14, 18.606, 95.134

Tritanomaly
14, 8.470, 104.078

Monochromacy



Original Color
14, 21.831, 110.066

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 9.888, 110.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 21.831, 110.066 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, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(35, 38, 0)  
}
```

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, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 38, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 21.831, 110.066 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, 38, 0) }
```

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

```
.border{ border-color:rgb(35, 38, 0) }
```

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

Here you see how a box with a 4 pixel rgb(35, 38, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 38, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(35, 38, 0); box-shadow:4px  
4px 4px 4px rgb(35, 38, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 21.831, 110.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 38, 0) }
```

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

```
.background{ background-color: rgb(35, 38,  
0) }
```

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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