

Converting Colors

CIELCh(14, 11.651, 325.689)

Have a look what the booklet for
CIELCh(14, 11.651, 325.689)
contains.

CIELCh(14, 11.890, 325.813)	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, 11.890, 325.813)

Conversions

Conversions Part 1

Format	Color
Hex	2D1F2D
RGB	45, 31, 45
RGB Percent	18%, 12%, 18%
CMY	0.8234, 0.8783, 0.8234
CMYK	0.00, 0.31, 0.00, 0.82
HSL	300°, 18%, 15%
HSV	300°, 31%, 18%
XYZ	2.0485, 1.7298, 2.7116
YIQ	36.7820, 3.8500, 7.3220

Conversions

Conversions Part 2

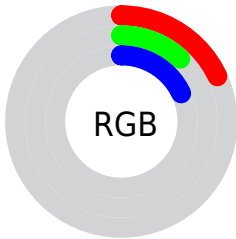
Format	Color
R_{YB}	45, 31, 45
Decimal	2957101
CIE Lab	14.00, 9.84, -6.68
CIE LCh	14, 11.890, 325.813
Yxy	1.7298, 0.3156, 0.2665
Android (android.graphics.Color)	4281147181 (0xFF2D1F2D)
YUV	36.7820, 4.0515, 7.2072
Hunter-Lab	13.1521, 4.7862, -3.0174

Details

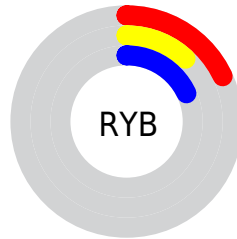
The CIELCh color **14, 11.890, 325.813** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 11.885, 142.748**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 12.100, 325.319**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 15.658, 326.242**, and if you desaturate by 10%, it is **15, 8.061, 325.370**.

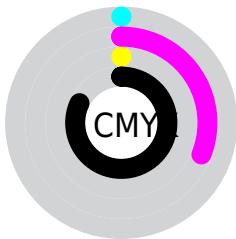
Distribution



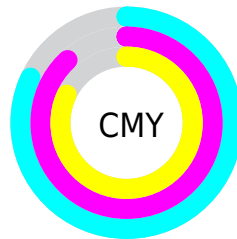
- Red (18%)
- Green (12%)
- Blue (18%)



- Red (18%)
- Yellow (12%)
- Blue (18%)



- Cyan (0%)
- Magenta (31%)
- Yellow (0%)
- Black (82%)



- Cyan (82%)
- Magenta (88%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 11.890, 325.813 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, 11.890, 325.813 by changing the saturation by 10% instead.

■ 14, 11.890,
325.813

■ 14, 11.890,
325.813

■ 100, 11.890,
325.813

■ 4, 11.890, 325.813

■ 34, 11.890,
325.813

■ 0, 11.890, 325.813

■ 44, 11.890,
325.813

■ 54, 11.890,
325.813

■ 64, 11.890,
325.813

■ 74, 11.890,
325.813

■ 84, 11.890,

325.813

94, 11.890,
325.813

14, 11.890,
325.813

14, 11.890,
325.813

13, 15.658,
326.242

15, 8.061, 325.370

11, 19.302,
326.649

17, 4.224, 324.914

18, 0.415, 324.270

10, 22.738,
327.025

20, 3.338, 144.082

9, 25.875, 327.362

21, 7.018, 143.639

8, 28.651, 327.653

23, 10.615,
143.221

8, 31.492, 327.936

■ 7, 34.035, 328.139

■ 24, 14.122,
142.820

■ 26, 17.537,
142.437

■ 28, 20.861,
142.073

Harmonies

Complementary

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



14, 11.890, 325.813



17, 11.885, 142.748

Rectangle

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



14, 11.890, 325.813



14, 11.890, 15.813



14, 11.890, 145.813



14, 11.890, 195.813

Sweetspot

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



14, 11.889, 325.813



23, 4.279, 324.841



12, 10.132, 293.164



10, 3.009, 324.858



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



14, 11.889, 325.813



18, 17.635, 326.161



14, 8.472, 345.931



7, 1.977, 324.413



19, 52.662, 328.234



51, 101.316, 328.234

Inverse Universe

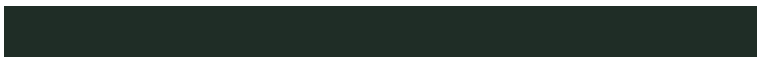
The Inverse Universe completely reimagines the original color for something new.



14, 11.889, 325.813



18, 17.635, 326.161



17, 8.210, 161.372



7, 1.977, 324.413



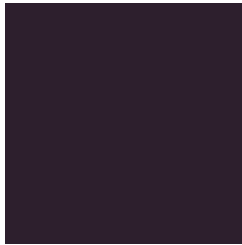
19, 52.662, 328.234



51, 101.316, 328.234

Previews

White Background



This preview shows how the CIE LCh color 14, 11.890, 325.813 looks on a white background.

Color Contrast Check

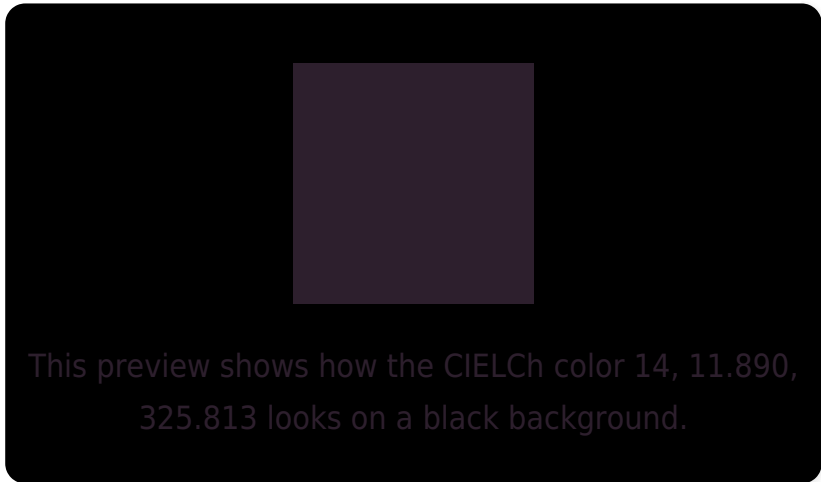
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.890, 325.813

Background



This preview shows how black text looks on a background with the CIELCh color 14, 11.890, 325.813.



This preview shows how white text looks on a background with the CIELCh color 14, 11.890, 325.813.

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, 11.890, 325.813

Protanopia

14, 9.320, 284.919

Deuteranopia

14, 6.419, 291.990



Tritanopia

14, 5.724, 6.665

Trichromacy



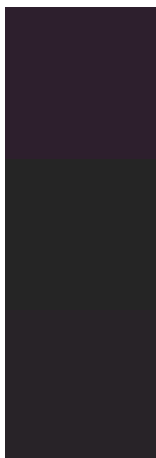
Original Color
14, 11.890, 325.813

Protanomaly
14, 9.400, 300.858

Deuteranomaly
14, 7.526, 309.919

Tritanomaly
14, 7.676, 341.192

Monochromacy



Original Color
14, 11.890, 325.813

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 4.307, 324.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 11.890, 325.813 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(45, 31, 45)` looks like.

```
.text, #text, p{  
    color:rgb(45, 31, 45)  
}
```

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(45, 31, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 31, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 11.890, 325.813 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(45, 31, 45) }
```

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

```
.border{ border-color:rgb(45, 31, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 31, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 31, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 31, 45);  
box-shadow:4px 4px 4px 4px rgb(45, 31, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 11.890, 325.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 31, 45) }
```

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

```
.background{ background-color: rgb(45, 31,  
45) }
```

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