

Converting Colors

CIELCh(14, 14.368, 329.421)

Have a look what the booklet for
CIELCh(14, 14.368, 329.421)
contains.

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Color

CIELCh(14, 14.014, 329.429)

Conversions

Conversions Part 1

Format	Color
Hex	301E2E
RGB	48, 30, 46
RGB Percent	19%, 12%, 18%
CMY	0.8130, 0.8835, 0.8208
CMYK	0.00, 0.38, 0.04, 0.81
HSL	307°, 23%, 15%
HSV	307°, 38%, 19%
XYZ	2.1486, 1.7298, 2.7743
YIQ	37.2060, 5.5920, 8.7920

Conversions

Conversions Part 2

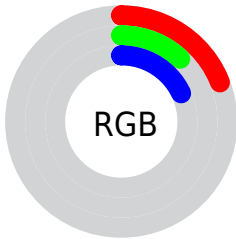
Format	Color
R_{YB}	48, 30, 46
Decimal	3153454
CIE Lab	14.00, 12.07, -7.13
CIE LCh	14, 14.014, 329.429
Yxy	1.7298, 0.3230, 0.2600
Android (android.graphics.Color)	4281343534 (0xFF301E2E)
YUV	37.2060, 4.3354, 9.4663
Hunter-Lab	13.1521, 6.1448, -3.3000

Details

The CIELCh color **14, 14.014, 329.429** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 13.998, 145.329**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 14.061, 328.407**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 17.612, 329.920**, and if you desaturate by 10%, it is **15, 10.314, 328.935**.

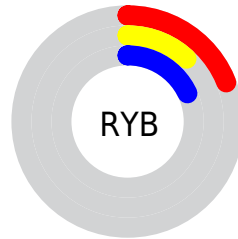
Distribution



 Red (19%)

 Green (12%)

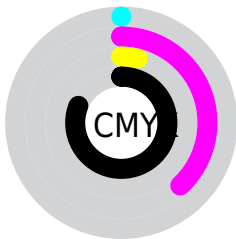
 Blue (18%)



 Red (19%)

 Yellow (12%)

 Blue (18%)

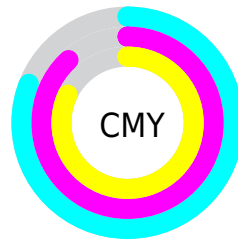


 Cyan (0%)


 Magenta (38%)

 Yellow (4%)

 Black (81%)



 Cyan (81%)

 Magenta (88%)

 Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 14.014, 329.429 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, 14.014, 329.429 by changing the saturation by 10% instead.

■ 14, 14.014,
329.429

■ 14, 14.014,
329.429

■ 100, 14.014,
329.429

■ 4, 14.014, 329.429

■ 34, 14.014,
329.429

■ 0, 14.014, 329.429

■ 44, 14.014,
329.429


■ 54, 14.014,
329.429


■ 64, 14.014,
329.429


■ 74, 14.014,
329.429


■ 84, 14.014,


329.429


 94, 14.014,
329.429

 14, 14.014,
329.429


 14, 14.014,
329.429

 13, 17.612,
329.920

 15, 10.314,
328.935

 11, 21.031,
330.405

 17, 6.577, 328.439


 10, 24.175,
330.878

 19, 2.848, 327.935


 20, 0.841, 147.624

 9, 26.938, 331.338

 22, 4.467, 147.062

 8, 29.515, 331.777

 23, 8.016, 146.606

 7, 32.313, 332.173

■ 7, 32.957, 332.253

■ 25, 11.481,
146.172

■ 27, 14.859,
145.758

■ 28, 18.148,
145.363

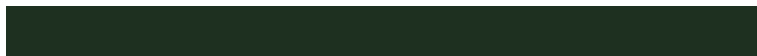
Harmonies

Complementary

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



14, 14.014, 329.429



18, 13.998, 145.329

Rectangle

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



14, 14.014, 329.429



14, 14.014, 19.429



14, 14.014, 149.429



14, 14.014, 199.429

Sweetspot

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



14, 14.013, 329.429



24, 5.028, 328.134



12, 13.083, 297.287



10, 3.298, 328.132



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, 14.013, 329.429



18, 20.501, 329.905



14, 10.231, 352.651



7, 1.826, 327.707



18, 48.588, 332.795



50, 92.802, 333.259

Inverse Universe

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



14, 14.013, 329.429



18, 20.501, 329.905



18, 9.622, 166.369



7, 1.826, 327.707



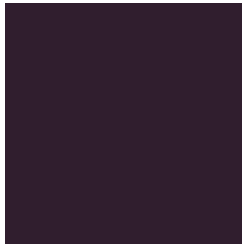
18, 48.588, 332.795



50, 92.802, 333.259

Previews

White Background



This preview shows how the CIELCh color 14, 14.014, 329.429 looks on a white background.

Color Contrast Check

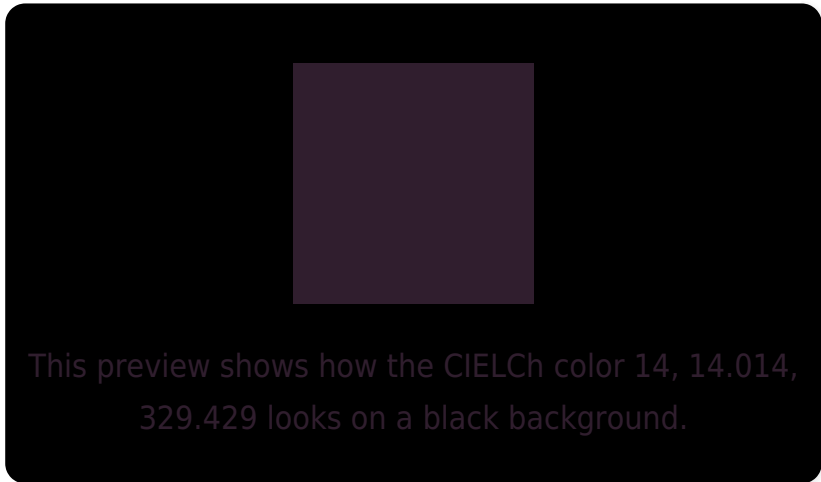
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.014, 329.429

Background



This preview shows how black text looks on a background with the CIELCh color 14, 14.014, 329.429.



This preview shows how white text looks on a background with the CIELCh color 14, 14.014, 329.429.

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

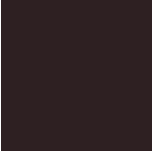
14, 14.014, 329.429

Protanopia

14, 10.723, 286.470

Deuteranopia

14, 7.130, 292.183



Tritanopia
14, 7.271, 10.236

Trichromacy



Original Color

14, 14.014, 329.429

Protanomaly

14, 10.985, 304.652

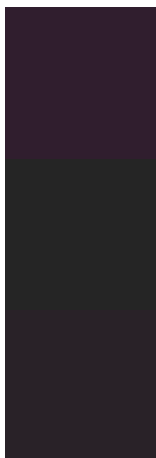
Deuteranomaly

14, 9.184, 312.871

Tritanomaly

14, 9.288, 349.908

Monochromacy



Original Color

14, 14.014, 329.429

Achromatopsia

15, 0.003, 296.813

Achromatomaly

14, 5.455, 329.402

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 14.014, 329.429 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(48, 30, 46)` looks like.

```
.text, #text, p{  
    color:rgb(48, 30, 46)  
}
```

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(48, 30, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 30, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 14.014, 329.429 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(48, 30, 46) }
```

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

```
.border{ border-color:rgb(48, 30, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 30, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 30, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 30, 46);  
box-shadow:4px 4px 4px 4px rgb(48, 30, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 14.014, 329.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 30, 46) }
```

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

```
.background{ background-color: rgb(48, 30,  
46) }
```

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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