

Converting Colors

CIELCh(14, 4.709, 28.341)

Have a look what the booklet for
CIELCh(14, 4.709, 28.341) contains.

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Color

CIELCh(14, 4.673, 29.175)

Conversions

Conversions Part 1

Format	Color
Hex	2B2221
RGB	43, 34, 33
RGB Percent	17%, 13%, 13%
CMY	0.8332, 0.8684, 0.8723
CMYK	0.00, 0.21, 0.23, 0.83
HSL	6°, 13%, 15%
HSV	6°, 23%, 17%
XYZ	1.8047, 1.7298, 1.6454
YIQ	36.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

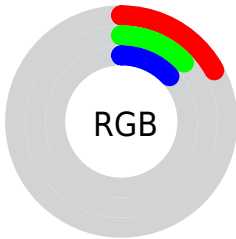
Format	Color
RYB	43, 34, 33
Decimal	2826785
CIELab	14.00, 4.08, 2.28
CIELCh	14, 4.673, 29.175
Yxy	1.7298, 0.3484, 0.3339
Android (android.graphics.Color)	4281016865 (0xFF2B2221)
YUV	36.5770, -1.7635, 5.6330
Hunter-Lab	13.1521, 1.4771, 1.7890

Details

The CIELCh color **14, 4.673, 29.175** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **16, 4.115, 208.409**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 4.925, 27.326**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 6.889, 29.635**, and if you desaturate by 10%, it is **15, 2.593, 28.830**.

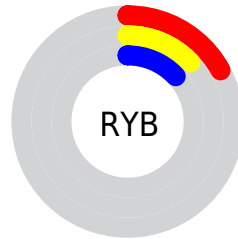
Distribution



Red (17%)

Green (13%)

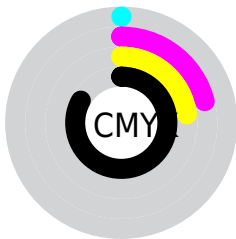
Blue (13%)



Red (17%)

Yellow (13%)

Blue (13%)

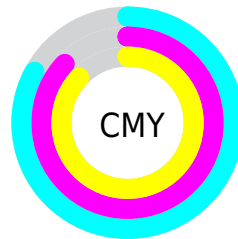


Cyan (0%)

Magenta (21%)

Yellow (23%)

Black (83%)



Cyan (83%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 4.673, 29.175 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, 4.673, 29.175 by changing the saturation by 10% instead.

 14, 4.673, 29.175  14, 4.673, 29.175

 100, 4.673, 29.175  4, 4.673, 29.175

 34, 4.673, 29.175  0, 4.673, 29.175

 44, 4.673, 29.175


 54, 4.673, 29.175

 64, 4.673, 29.175

 74, 4.673, 29.175

 84, 4.673, 29.175

 94, 4.673, 29.175

 14, 4.673, 29.175  14, 4.673, 29.175

■ 13, 6.889, 29.635

■ 15, 2.593, 28.830

■ 11, 9.246, 30.225

■ 17, 0.644, 28.377

■ 10, 11.660, 30.344

■ 18, 1.181, 208.683

■ 9, 13.910, 28.900

■ 20, 2.895, 208.490

■ 8, 15.981, 26.741

■ 21, 4.505, 208.417

■ 7, 17.699, 25.285

■ 23, 6.022, 208.393

■ 6, 19.162, 24.912

■ 24, 7.455, 208.402

■ 5, 20.074, 24.762

■ 26, 8.813, 208.436

■ 27, 10.103,
208.488

Harmonies

Complementary

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



14, 4.673, 29.175



16, 4.115, 208.409

Rectangle

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



14, 4.673, 29.175



14, 4.673, 79.175



14, 4.673, 209.175



14, 4.673, 259.175

Sweetspot

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



14, 4.673, 29.184



22, 1.671, 28.620



14, 7.982, 328.352



9, 1.056, 28.605



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



14, 4.673, 29.184



19, 7.196, 29.456



16, 4.668, 82.985



6, 0.818, 28.103



16, 41.083, 36.567



45, 89.349, 41.052

Inverse Universe

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



16, 4.115, 208.409



22, 6.100, 208.393



14, 4.575, 268.149



6, 0.813, 209.134



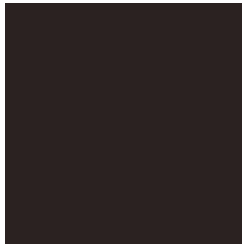
29, 20.050, 212.648



71, 38.753, 214.383

Previews

White Background



This preview shows how the CIELCh color 14, 4.673, 29.175 looks on a white background.

Color Contrast Check

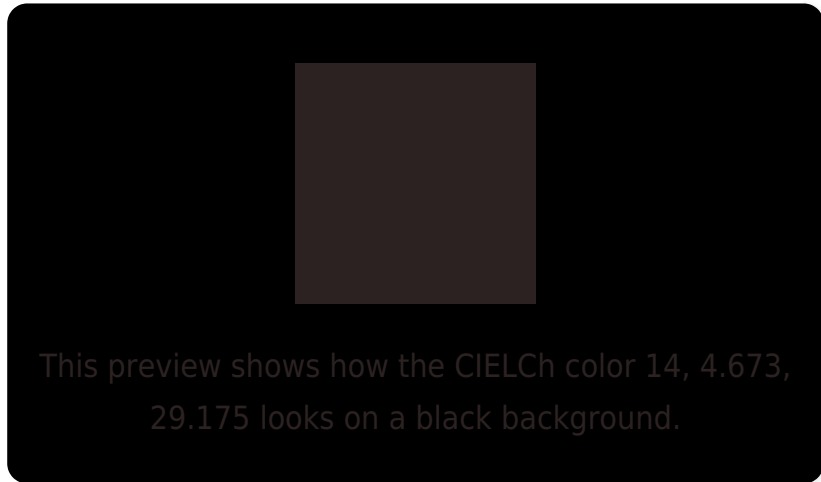
Large Text (above 18pt) WCAG AA ✓ Pass

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

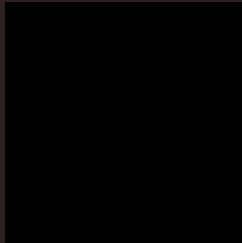
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 4.673, 29.175

Background



This preview shows how black text looks on a background with the CIELCh color 14, 4.673, 29.175.

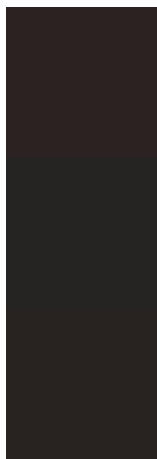


This preview shows how white text looks on a background with the CIELCh color 14, 4.673, 29.175.

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, 4.673, 29.175

Protanopia

14, 1.497, 90.302

Deuteranopia

14, 3.391, 44.733



Tritanopia
14, 5.425, 357.828

Trichromacy



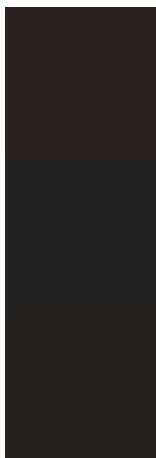
Original Color
14, 4.673, 29.175

Protanomaly
14, 2.472, 54.690

Deuteranomaly
14, 3.875, 41.587

Tritanomaly
14, 5.228, 5.106

Monochromacy



Original Color
14, 4.673, 29.175

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 1.490, 19.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 4.673, 29.175 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(43, 34, 33)` looks like.

```
.text, #text, p{  
  color:rgb(43, 34, 33)  
}
```

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(43, 34, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 34, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 4.673, 29.175 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(43, 34, 33) }
```

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

```
.border{ border-color:rgb(43, 34, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 34, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 34, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 34, 33);  
box-shadow:4px 4px 4px 4px rgb(43, 34, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 4.673, 29.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 34, 33) }
```

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

```
.background{ background-color: rgb(43, 34,  
33) }
```

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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