

Converting Colors

CIELCh(14, 8.598, 31.943)

Have a look what the booklet for
CIELCh(14, 8.598, 31.943) contains.

CIELCh(14, 8.623, 30.881)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(14, 8.623, 30.881)

Conversions

Conversions Part 1

Format	Color
Hex	30201E
RGB	48, 32, 30
RGB Percent	19%, 13%, 12%
CMY	0.8130, 0.8757, 0.8835
CMYK	0.00, 0.34, 0.38, 0.81
HSL	7°, 23%, 15%
HSV	7°, 38%, 19%
XYZ	1.9428, 1.7298, 1.4401
YIQ	36.5560, 10.1780, 2.7700

Conversions

Conversions Part 2

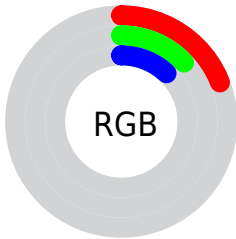
Format	Color
R _Y B	48, 32, 30
Decimal	3153950
CIE Lab	14.00, 7.40, 4.43
CIE LCh	14, 8.623, 30.881
Yxy	1.7298, 0.3800, 0.3383
Android (android.graphics.Color)	4281344030 (0xFF30201E)
YUV	36.5560, -3.2321, 10.0364
Hunter-Lab	13.1521, 3.3521, 2.7142

Details

The CIELCh color **14, 8.623, 30.881** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 6.905, 209.721**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 8.722, 28.833**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 11.279, 31.529**, and if you desaturate by 10%, it is **15, 6.123, 30.403**.

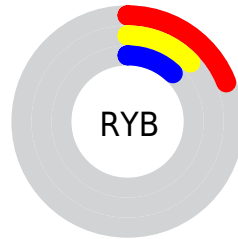
Distribution



Red (19%)

Green (13%)

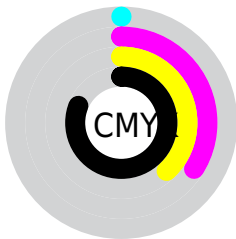
Blue (12%)



Red (19%)

Yellow (13%)

Blue (12%)

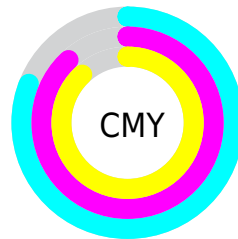


Cyan (0%)

Magenta (34%)

Yellow (38%)

Black (81%)



Cyan (81%)

Magenta (88%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 8.623, 30.881 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, 8.623, 30.881 by changing the saturation by 10% instead.

 14, 8.623, 30.881  14, 8.623, 30.881

 100, 8.623, 30.881  4, 8.623, 30.881

 34, 8.623, 30.881  0, 8.623, 30.881

 44, 8.623, 30.881

 54, 8.623, 30.881

 64, 8.623, 30.881

 74, 8.623, 30.881

 84, 8.623, 30.881

 94, 8.623, 30.881

 14, 8.623, 30.881  14, 8.623, 30.881

■ 13, 11.279, 31.529

■ 15, 6.123, 30.403

■ 11, 14.036, 32.050

■ 17, 3.780, 30.041

■ 10, 16.581, 31.057

■ 19, 1.589, 29.731

■ 9, 18.865, 29.174

■ 20, 0.461, 210.154

■ 8, 20.930, 27.452

■ 22, 2.379, 209.708

■ 7, 22.798, 26.688

■ 23, 4.177, 209.637

■ 7, 23.218, 26.543

■ 25, 5.867, 209.628

■ 26, 7.460, 209.658

■ 28, 8.966, 209.715

Harmonies

Complementary

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



14, 8.623, 30.881



18, 6.905, 209.721

Rectangle

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



14, 8.623, 30.881



14, 8.623, 80.881



14, 8.623, 210.881



14, 8.623, 260.881

Sweetspot

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



14, 8.622, 30.887



24, 2.839, 29.856



14, 14.112, 329.078



10, 1.862, 29.854



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, 8.622, 30.887



18, 13.116, 31.506



17, 8.418, 81.348



7, 1.006, 29.164



17, 42.094, 37.321



46, 89.926, 41.217

Inverse Universe

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



18, 6.905, 209.721



23, 9.823, 209.909



14, 8.126, 270.395



7, 0.999, 210.319



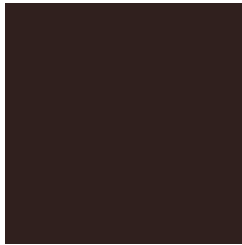
29, 20.296, 214.773



71, 38.802, 216.669

Previews

White Background



This preview shows how the CIELCh color 14, 8.623, 30.881 looks on a white background.

Color Contrast Check

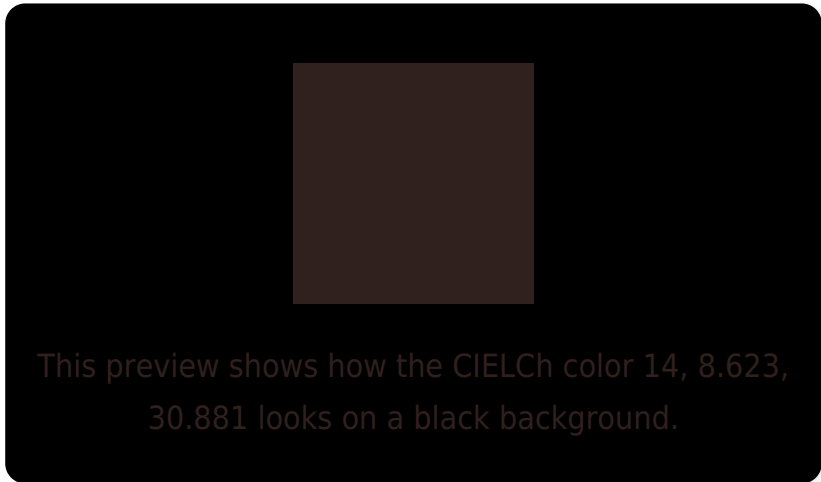
Large Text (above 18pt) WCAG AA ✓ Pass

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

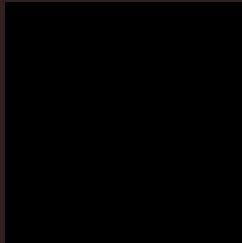
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 8.623, 30.881

Background



This preview shows how black text looks on a background with the CIELCh color 14, 8.623, 30.881.

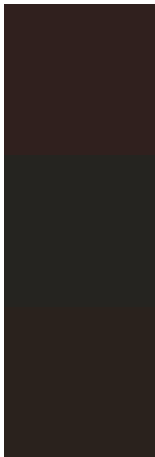


This preview shows how white text looks on a background with the CIELCh color 14, 8.623, 30.881.

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, 8.623, 30.881

Protanopia

14, 2.875, 99.203

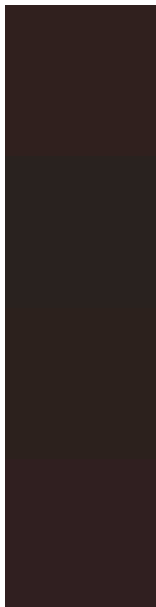
Deuteranopia

14, 5.547, 59.639



Tritanopia
14, 8.855, 12.767

Trichromacy



Original Color

14, 8.623, 30.881

Protanomaly

14, 4.219, 50.311

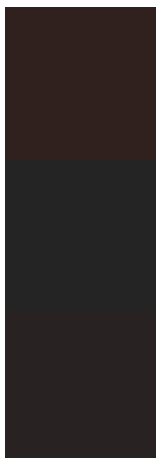
Deuteranomaly

14, 6.531, 46.226

Tritanomaly

14, 8.855, 17.307

Monochromacy



Original Color

14, 8.623, 30.881

Achromatopsia

14, 0.003, 296.813

Achromatomaly

14, 3.024, 20.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 8.623, 30.881 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, 32, 30)` looks like.

```
.text, #text, p{  
  color:rgb(48, 32, 30)  
}
```

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, 32, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 32, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 8.623, 30.881 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, 32, 30) }
```

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

```
.border{ border-color:rgb(48, 32, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 32, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 32, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 32, 30);  
box-shadow:4px 4px 4px 4px rgb(48, 32, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 8.623, 30.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 32, 30) }
```

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

```
.background{ background-color: rgb(48, 32,  
30) }
```

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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