

Converting Colors

CIE LCh(14, 8.835, 21.130)

Have a look what the booklet for
CIELCh(14, 8.835, 21.130) contains.

CIELCh(14, 8.915, 21.815)	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, 8.915, 21.815)

Conversions

Conversions Part 1

Format	Color
Hex	301F1F
RGB	48, 31, 31
RGB Percent	19%, 12%, 12%
CMY	0.8106, 0.8774, 0.8774
CMYK	0.00, 0.35, 0.35, 0.81
HSL	0°, 21%, 16%
HSV	0°, 35%, 19%
XYZ	1.9804, 1.7298, 1.5442
YIQ	36.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

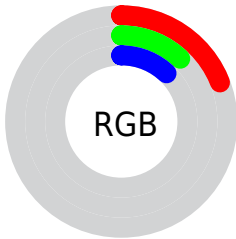
Format	Color
RYB	48, 31, 31
Decimal	3153695
CIELab	14.00, 8.28, 3.31
CIElCh	14, 8.915, 21.815
Yxy	1.7298, 0.3769, 0.3292
Android (android.graphics.Color)	4281343775 (0xFF301F1F)
YUV	36.0830, -2.5059, 10.4512
Hunter-Lab	13.1521, 3.8622, 2.2451

Details

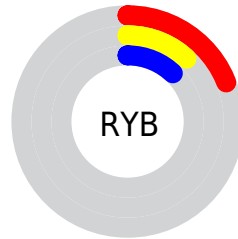
The CIELCh color **14, 8.915, 21.815** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 7.310, 197.986**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 9.030, 20.790**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 11.789, 22.922**, and if you desaturate by 10%, it is **16, 6.187, 20.932**.

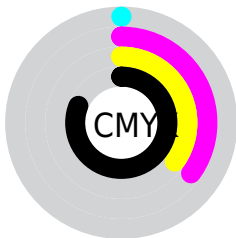
Distribution



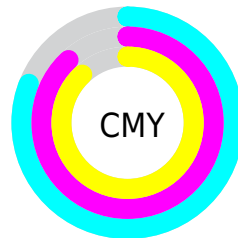
- Red (19%)
- Green (12%)
- Blue (12%)



- Red (19%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (35%)
- Yellow (35%)
- Black (81%)



- Cyan (81%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 8.915, 21.815 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, 8.915, 21.815 by changing the saturation by 10% instead.

 14, 8.915, 21.815  14, 8.915, 21.815

 100, 8.915, 21.815  4, 8.915, 21.815

 34, 8.915, 21.815  0, 8.915, 21.815

 44, 8.915, 21.815

 54, 8.915, 21.815

 64, 8.915, 21.815

 74, 8.915, 21.815

 84, 8.915, 21.815

 94, 8.915, 21.815

 14, 8.915, 21.815  14, 8.915, 21.815

■ 12, 11.789, 22.922

■ 16, 6.187, 20.932

■ 11, 14.778, 24.206

■ 17, 3.618, 20.201

■ 10, 17.612, 24.210

■ 19, 1.206, 19.516

■ 8, 20.148, 23.252

■ 21, 1.054, 199.416

■ 7, 22.363, 22.110

■ 23, 3.173, 198.903

■ 6, 24.466, 21.238

■ 24, 5.162, 198.562

■ 6, 25.433, 20.903

■ 26, 7.033, 198.288

■ 28, 8.798, 198.062

■ 30, 10.467,
197.871

Harmonies

Complementary

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



14, 8.915, 21.815



19, 7.310, 197.986

Rectangle

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



14, 8.915, 21.815



14, 8.915, 71.815



14, 8.915, 201.815



14, 8.915, 251.815

Sweetspot

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



14, 8.914, 21.820



25, 3.257, 19.962



15, 14.287, 326.018



11, 2.213, 19.972



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



14, 8.914, 21.820



18, 13.785, 22.821



17, 7.456, 71.800



7, 1.112, 19.321



16, 43.793, 33.545



45, 91.680, 40.002

Inverse Universe

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



19, 7.310, 197.986



25, 10.659, 197.667



16, 6.881, 259.957



7, 1.112, 199.544



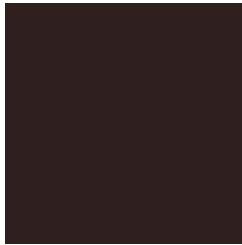
33, 22.830, 196.419



78, 43.922, 196.421

Previews

White Background



This preview shows how the CIELCh color 14, 8.915, 21.815 looks on a white background.

Color Contrast Check

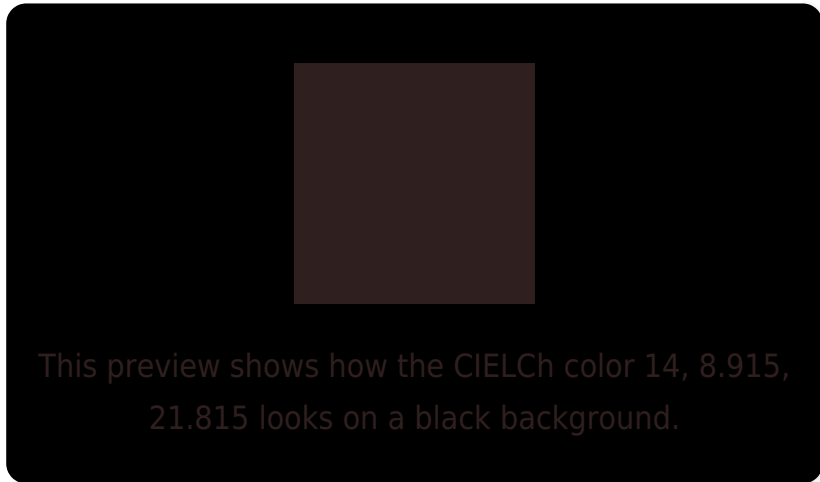
Large Text (above 18pt) WCAG AA ✓ Pass

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

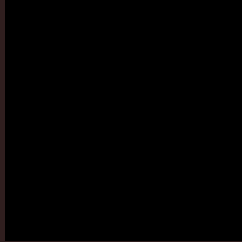
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 8.915, 21.815

Background



This preview shows how black text looks on a background with the CIELCh color 14, 8.915, 21.815.

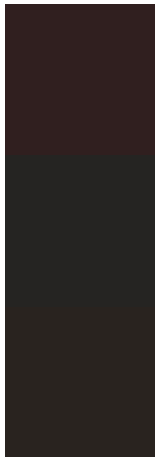


This preview shows how white text looks on a background with the CIELCh color 14, 8.915, 21.815.

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

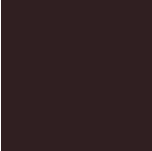
14, 8.915, 21.815

Protanopia

14, 1.497, 90.302

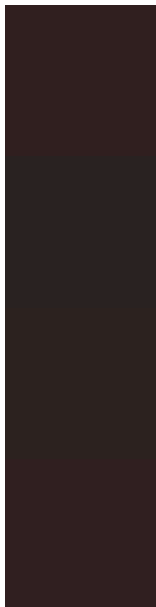
Deuteranopia

14, 4.218, 61.905



Tritanopia
14, 8.855, 12.767

Trichromacy



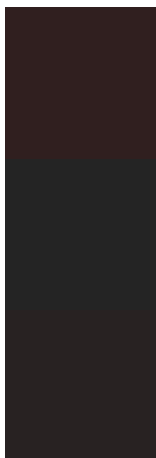
Original Color
14, 8.915, 21.815

Protanomaly
14, 3.641, 31.424

Deuteranomaly
14, 5.663, 42.423

Tritanomaly
14, 8.855, 17.307

Monochromacy



Original Color
14, 8.915, 21.815

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, 8.915, 21.815 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, 31, 31)` looks like.

```
.text, #text, p{  
    color:rgb(48, 31, 31)  
}
```

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, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 31, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 8.915, 21.815 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, 31, 31) }
```

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

```
.border{ border-color:rgb(48, 31, 31) }
```

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

Here you see how a box with a 4 pixel rgb(48, 31, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(48, 31, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 8.915, 21.815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 31, 31) }
```

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

```
.background{ background-color: rgb(48, 31,  
31) }
```

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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