

Converting Colors

CIE LCh(14, 6.513, 18.124)

Have a look what the booklet for
CIELCh(14, 6.513, 18.124) contains.

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Color

CIELCh(14, 6.710, 15.183)

Conversions

Conversions Part 1

Format	Color
Hex	2D2021
RGB	45, 32, 33
RGB Percent	18%, 13%, 13%
CMY	0.8221, 0.8731, 0.8692
CMYK	0.00, 0.29, 0.26, 0.82
HSL	355°, 17%, 15%
HSV	355°, 29%, 18%
XYZ	1.9037, 1.7298, 1.6979
YIQ	36.0010, 7.4270, 3.0670

Conversions

Conversions Part 2

Format	Color
RYB	45, 32, 33
Decimal	2957345
CIELab	14.00, 6.48, 1.76
CIElCh	14, 6.710, 15.183
Yxy	1.7298, 0.3571, 0.3245
Android (android.graphics.Color)	4281147425 (0xFF2D2021)
YUV	36.0010, -1.4795, 7.8921
Hunter-Lab	13.1521, 2.8206, 1.5523

Details

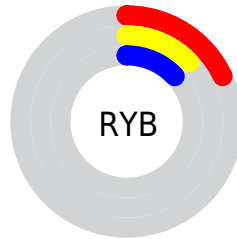
The CIELCh color **14, 6.710, 15.183** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 5.875, 191.389**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 6.706, 15.094**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 9.283, 16.246**, and if you desaturate by 10%, it is **16, 4.254, 14.298**.

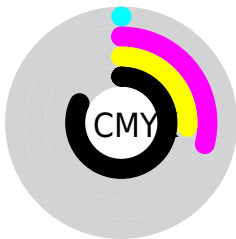
Distribution



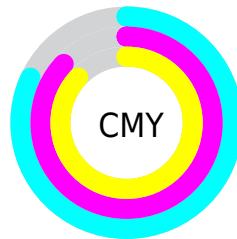
- Red (18%)
- Green (13%)
- Blue (13%)



- Red (18%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (29%)
- Yellow (26%)
- Black (82%)



- Cyan (82%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 6.710, 15.183 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, 6.710, 15.183 by changing the saturation by 10% instead.

 14, 6.710, 15.183  14, 6.710, 15.183

 100, 6.710, 15.183  4, 6.710, 15.183

 34, 6.710, 15.183  0, 6.710, 15.183

 44, 6.710, 15.183

 54, 6.710, 15.183

 64, 6.710, 15.183

 74, 6.710, 15.183

 84, 6.710, 15.183

 94, 6.710, 15.183

 14, 6.710, 15.183  14, 6.710, 15.183

■ 12, 9.283, 16.246

■ 16, 4.254, 14.298

■ 11, 11.958, 17.522

■ 17, 1.924, 13.506

■ 10, 14.672, 18.716

■ 19, 0.279, 193.676

■ 8, 17.224, 18.685

■ 21, 2.360, 192.524

■ 7, 19.442, 18.267

■ 22, 4.327, 192.019

■ 6, 21.345, 17.568

■ 24, 6.188, 191.596

■ 5, 23.156, 16.894

■ 26, 7.952, 191.227

■ 5, 23.385, 16.820

■ 27, 9.627, 190.900

■ 29, 11.224,
190.607

Harmonies

Complementary

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



14, 6.710, 15.183



17, 5.875, 191.389

Rectangle

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



14, 6.710, 15.183



14, 6.710, 65.183



14, 6.710, 195.183



14, 6.710, 245.183

Sweetspot

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



14, 6.709, 15.189



23, 2.478, 13.570



14, 10.793, 323.328



10, 1.744, 13.599



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, 6.709, 15.189



18, 10.057, 15.933



16, 5.497, 63.402



7, 1.120, 13.211



16, 42.588, 30.452



45, 88.529, 37.343

Inverse Universe

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



14, 6.709, 15.189



18, 10.057, 15.933



16, 4.993, 249.031



7, 1.120, 13.211



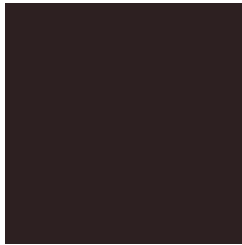
16, 42.588, 30.452



45, 88.529, 37.343

Previews

White Background



This preview shows how the CIELCh color 14, 6.710, 15.183 looks on a white background.

Color Contrast Check

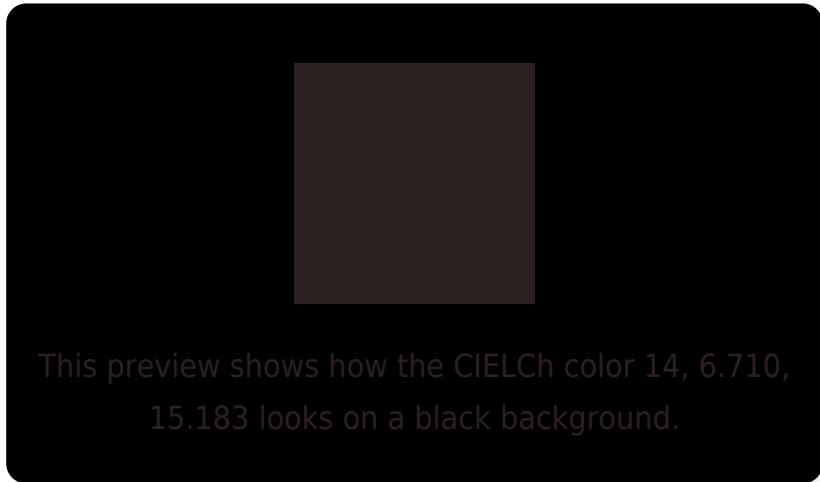
Large Text (above 18pt) WCAG AA ✓ Pass

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

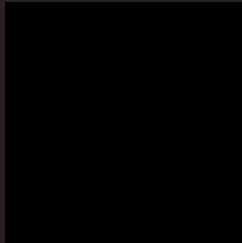
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 6.710, 15.183

Background



This preview shows how black text looks on a background with the CIELCh color 14, 6.710, 15.183.

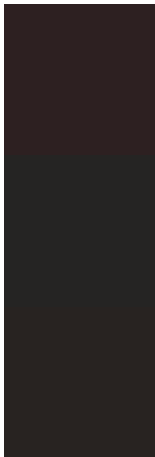


This preview shows how white text looks on a background with the CIELCh color 14, 6.710, 15.183.

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, 6.710, 15.183

Protanopia

14, 0.859, 74.779

Deuteranopia

14, 2.911, 48.939



Tritanopia

14, 7.379, 4.809

Trichromacy



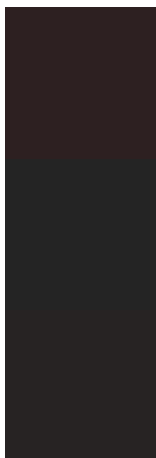
Original Color
14, 6.710, 15.183

Protanomaly
14, 2.618, 35.593

Deuteranomaly
14, 4.155, 30.145

Tritanomaly
14, 7.271, 10.236

Monochromacy



Original Color
14, 6.710, 15.183

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 1.994, 19.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 6.710, 15.183 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, 32, 33)` looks like.

```
.text, #text, p{  
    color:rgb(45, 32, 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(45, 32, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 32, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 6.710, 15.183 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, 32, 33) }
```

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

```
.border{ border-color:rgb(45, 32, 33) }
```

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

Here you see how a box with a 4 pixel rgb(45, 32, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 32, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 32, 33);  
box-shadow:4px 4px 4px 4px rgb(45, 32, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 6.710, 15.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 32, 33) }
```

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

```
.background{ background-color: rgb(45, 32,  
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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