

Converting Colors

CIELCh(14, 22.900, 33.040)

Have a look what the booklet for
CIELCh(14, 22.900, 33.040) contains.

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Color

CIELCh(14, 22.810, 32.691)

Conversions

Conversions Part 1

Format	Color
Hex	3F1713
RGB	63, 23, 19
RGB Percent	25%, 9%, 7%
CMY	0.7522, 0.9092, 0.9248
CMYK	0.00, 0.63, 0.70, 0.75
HSL	5°, 53%, 16%
HSV	5°, 70%, 25%
XYZ	2.4904, 1.7298, 0.8262
YIQ	34.5040, 25.1240, 7.2360

Conversions

Conversions Part 2

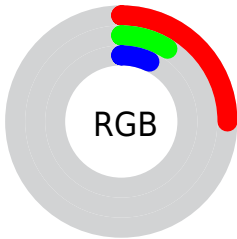
Format	Color
RYB	63, 23, 19
Decimal	4134675
CIELab	14.00, 19.20, 12.32
CIElCh	14, 22.810, 32.691
Yxy	1.7298, 0.4935, 0.3428
Android (android.graphics.Color)	4282324755 (0xFF3F1713)
YUV	34.5040, -7.6435, 24.9910
Hunter-Lab	13.1521, 10.7836, 5.4818

Details

The CIELCh color **14, 22.810, 32.691** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **22, 14.044, 208.226**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 23.117, 32.165**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 26.095, 32.533**, and if you desaturate by 10%, it is **16, 19.042, 31.465**.

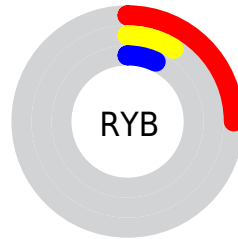
Distribution



Red (25%)

Green (9%)

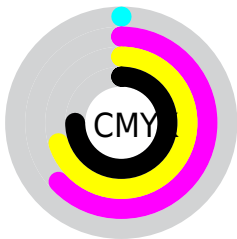
Blue (7%)



Red (25%)

Yellow (9%)

Blue (7%)

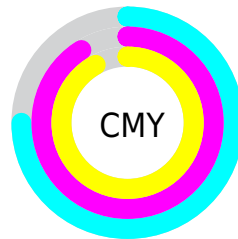


Cyan (0%)

Magenta (63%)

Yellow (70%)

Black (75%)



Cyan (75%)

Magenta (91%)

Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 22.810, 32.691 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, 22.810, 32.691 by changing the saturation by 10% instead.

 14, 22.810, 32.691

 14, 22.810, 32.691

 100, 22.810,
32.691

 4, 22.810, 32.691

 34, 22.810, 32.691

 0, 22.810, 32.691

 44, 22.810, 32.691

 54, 22.810, 32.691

 64, 22.810, 32.691

 74, 22.810, 32.691

 84, 22.810, 32.691

 94, 22.810, 32.691

■ 14, 22.810, 32.691

■ 14, 22.810, 32.691

■ 13, 26.095, 32.533

■ 16, 19.042, 31.465

■ 11, 28.803, 31.720

■ 17, 15.358, 30.321

■ 10, 31.286, 31.458

■ 19, 11.856, 29.437

■ 10, 31.371, 31.444

■ 21, 8.559, 28.763

■ 23, 5.473, 28.253

■ 25, 2.595, 27.844

■ 27, 0.087, 210.511

■ 29, 2.587, 207.611

■ 31, 4.921, 207.460

Harmonies

Complementary

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



14, 22.810, 32.691



22, 14.044, 208.226

Rectangle

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



14, 22.810, 32.691



14, 22.810, 82.691



14, 22.810, 212.691



14, 22.810, 262.691

Sweetspot

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



14, 22.809, 32.694



30, 7.290, 28.355



15, 31.569, 330.176



13, 4.865, 28.395



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



14, 22.809, 32.694



17, 34.937, 35.306



20, 20.261, 75.590



10, 1.444, 27.791



18, 45.822, 37.645



47, 92.813, 40.881

Inverse Universe

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



22, 14.044, 208.226



29, 18.644, 209.430



15, 18.745, 276.602



11, 1.378, 207.644



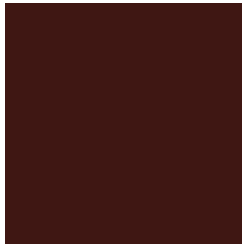
33, 21.835, 211.237



74, 40.437, 212.579

Previews

White Background



This preview shows how the CIELCh color 14, 22.810, 32.691 looks on a white background.

Color Contrast Check

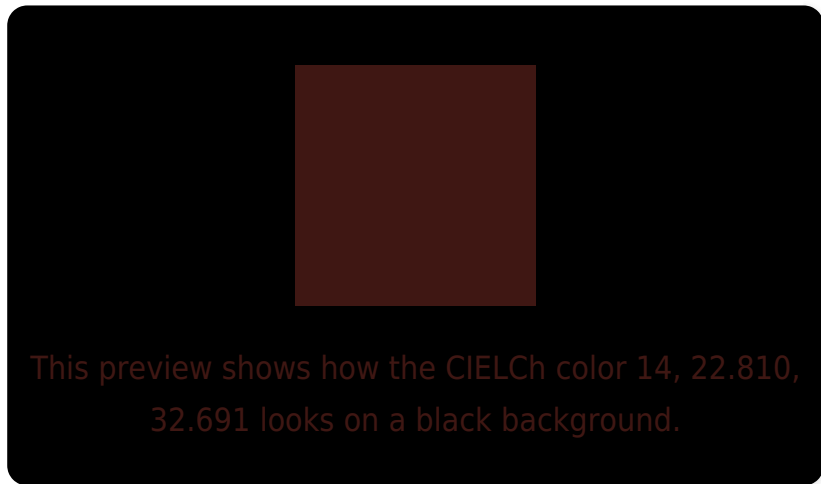
Large Text (above 18pt) WCAG AA ✓ Pass

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

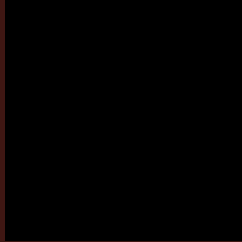
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 22.810, 32.691

Background



This preview shows how black text looks on a background with the CIELCh color 14, 22.810, 32.691.

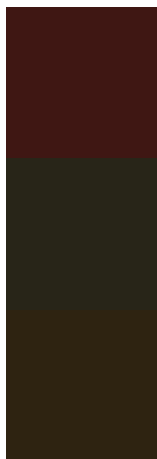


This preview shows how white text looks on a background with the CIELCh color 14, 22.810, 32.691.

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, 22.810, 32.691

Protanopia

15, 9.260, 97.490

Deuteranopia

15, 14.018, 80.213



Tritanopia
14, 21.622, 24.575

Trichromacy



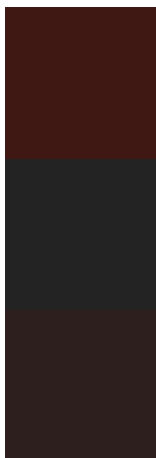
Original Color
14, 22.810, 32.691

Protanomaly
14, 11.627, 57.909

Deuteranomaly
14, 15.414, 56.594

Tritanomaly
14, 22.058, 28.054

Monochromacy



Original Color
14, 22.810, 32.691

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 7.593, 31.998

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 22.810, 32.691 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(63, 23, 19)` looks like.

```
.text, #text, p{  
    color:rgb(63, 23, 19)  
}
```

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(63, 23, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 23, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 22.810, 32.691 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(63, 23, 19) }
```

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

```
.border{ border-color:rgb(63, 23, 19) }
```

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

Here you see how a box with a 4 pixel rgb(63, 23, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 23, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 23, 19);  
box-shadow:4px 4px 4px 4px rgb(63, 23, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 22.810, 32.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 23, 19) }
```

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

```
.background{ background-color: rgb(63, 23,  
19) }
```

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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