

Converting Colors

CIELCh(14, 22.263, 90.328)

Have a look what the booklet for
CIELCh(14, 22.263, 90.328) contains.

CIELCh(14, 20.849, 89.258)	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, 20.849, 89.258)

Conversions

Conversions Part 1

Format	Color
Hex	2D2300
RGB	45, 35, 0
RGB Percent	18%, 14%, 0%
CMY	0.8249, 0.8642, 1.0000
CMYK	0.00, 0.22, 1.00, 0.82
HSL	47°, 100%, 9%
HSV	47°, 100%, 18%
XYZ	1.6544, 1.7298, 0.2301
YIQ	34.0000, 17.1950, -8.7650

Conversions

Conversions Part 2

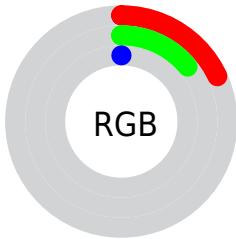
Format	Color
RYB	13, 45, 0
Decimal	2958080
CIELab	14.00, 0.27, 20.85
CIELCh	14, 20.849, 89.258
Yxy	1.7298, 0.4577, 0.4786
Android (android.graphics.Color)	4281148160 (0xFF2D2300)
YUV	34.0000, -16.7620, 9.6470
Hunter-Lab	13.1521, -0.5624, 8.1693

Details

The CIELCh color **14, 20.849, 89.258** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 24.236, 288.890**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 20.852, 88.712**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 20.624, 89.111**, and if you desaturate by 10%, it is **14, 19.316, 89.943**.

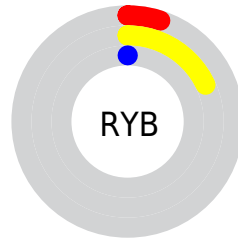
Distribution



Red (18%)

Green (14%)

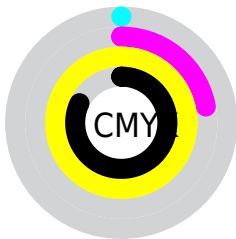
Blue (0%)



Red (5%)

Yellow (18%)

Blue (0%)

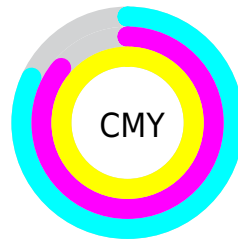


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (82%)



Cyan (82%)

Magenta (86%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 20.849, 89.258 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, 20.849, 89.258 by changing the saturation by 10% instead.

 14, 20.849, 89.258

 14, 20.849, 89.258

 100, 20.849,
89.258

 4, 20.849, 89.258

 34, 20.849, 89.258

 0, 20.849, 89.258

 44, 20.849, 89.258

 54, 20.849, 89.258

 64, 20.849, 89.258

 74, 20.849, 89.258

 84, 20.849, 89.258

 94, 20.849, 89.258

■ 14, 20.849, 89.258

■ 14, 20.849, 89.258

■ 14, 20.624, 89.111

■ 14, 19.316, 89.943

■ 15, 18.007, 90.913

■ 15, 16.567, 91.972

■ 16, 14.656, 92.976

■ 16, 12.288, 93.999

■ 16, 9.825, 95.019

■ 17, 7.352, 96.021

■ 17, 4.884, 97.000

■ 18, 2.431, 97.947

Harmonies

Complementary

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



14, 20.849, 89.258



4, 24.236, 288.890

Rectangle

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



14, 20.849, 89.258



14, 20.849, 139.258



14, 20.849, 269.258



14, 20.849, 319.258

Sweetspot

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



14, 20.624, 89.111



23, 9.256, 95.841



5, 22.983, 9.791



10, 6.263, 95.896



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, 20.624, 89.111



19, 27.646, 88.181



16, 26.654, 118.736



7, 1.263, 98.374



30, 38.748, 87.195



71, 74.100, 85.538

Inverse Universe

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



4, 24.236, 288.890



5, 33.565, 295.252



2, 29.058, 301.078



7, 1.289, 279.422



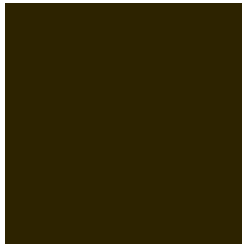
10, 48.167, 299.233



32, 100.712, 301.872

Previews

White Background



This preview shows how the CIELCh color 14, 20.849, 89.258 looks on a white background.

Color Contrast Check

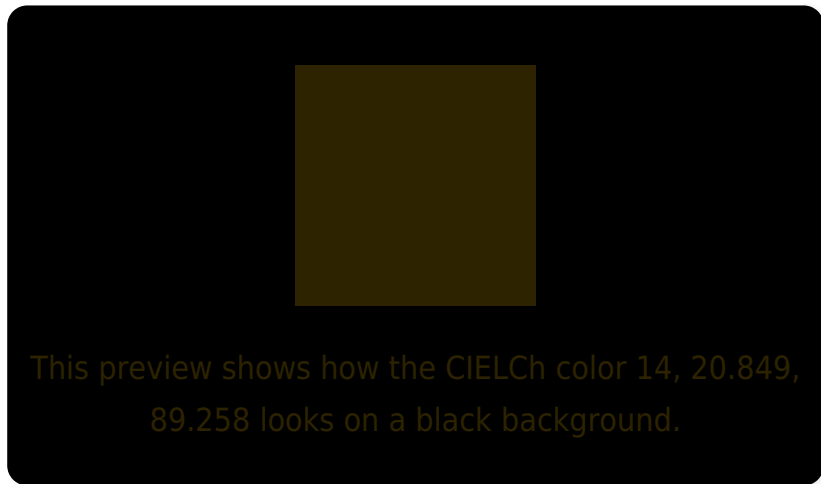
Large Text (above 18pt) WCAG AA ✓ Pass

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

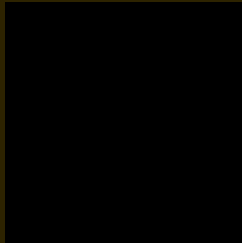
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 20.849, 89.258

Background



This preview shows how black text looks on a background with the CIELCh color 14, 20.849, 89.258.

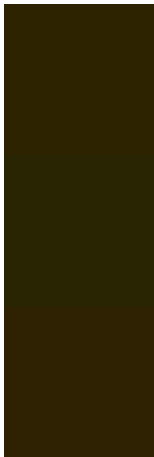


This preview shows how white text looks on a background with the CIELCh color 14, 20.849, 89.258.

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, 20.849, 89.258

Protanopia

14, 19.932, 97.315

Deuteranopia

14, 19.900, 85.071



Tritanopia

14, 7.379, 4.809

Trichromacy



Original Color

14, 20.849, 89.258

Protanomaly

14, 20.444, 95.774

Deuteranomaly

14, 20.282, 85.406

Tritanomaly

14, 10.803, 65.818

Monochromacy



Original Color

14, 20.849, 89.258

Achromatopsia

13, 0.003, 296.813

Achromatomaly

13, 8.805, 93.218

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 20.849, 89.258 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, 35, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 35, 0)  
}
```

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, 35, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 35, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 20.849, 89.258 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, 35, 0) }
```

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

```
.border{ border-color:rgb(45, 35, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 35, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 35, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(45, 35, 0); box-shadow:4px  
4px 4px 4px rgb(45, 35, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 20.849, 89.258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 35, 0) }
```

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

```
.background{ background-color: rgb(45, 35,  
0) }
```

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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