

Converting Colors

CIELCh(14, 22.008, 95.905)

Have a look what the booklet for
CIELCh(14, 22.008, 95.905) contains.

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Color

CIELCh(14, 20.842, 95.920)

Conversions

Conversions Part 1

Format	Color
Hex	2A2400
RGB	42, 36, 0
RGB Percent	16%, 14%, 0%
CMY	0.8363, 0.8600, 1.0000
CMYK	0.00, 0.14, 1.00, 0.84
HSL	51°, 100%, 8%
HSV	51°, 100%, 16%
XYZ	1.5635, 1.7298, 0.2382
YIQ	33.6900, 15.1320, -9.9240

Conversions

Conversions Part 2

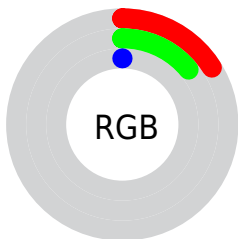
Format	Color
R_{YB}	7, 42, 0
Decimal	2761728
CIE Lab	14.00, -2.15, 20.73
CIE LCh	14, 20.842, 95.920
Yxy	1.7298, 0.4427, 0.4898
Android (android.graphics.Color)	4280951808 (0xFF2A2400)
YUV	33.6900, -16.6092, 7.2879
Hunter-Lab	13.1521, -1.7969, 8.1327

Details

The CIELCh color **14, 20.842, 95.920** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 23.676, 289.948**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 20.716, 95.642**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 20.659, 95.855**, and if you desaturate by 10%, it is **14, 19.310, 96.333**.

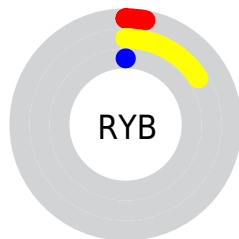
Distribution



Red (16%)

Green (14%)

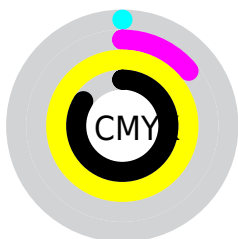
Blue (0%)



Red (3%)

Yellow (16%)

Blue (0%)

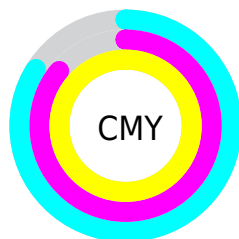


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (84%)



Cyan (84%)

Magenta (86%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 20.842, 95.920 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, 20.842, 95.920 by changing the saturation by 10% instead.

 14, 20.842, 95.920

 14, 20.842, 95.920

 100, 20.842,
95.920

 4, 20.842, 95.920

 34, 20.842, 95.920

 0, 20.842, 95.920

 44, 20.842, 95.920

 54, 20.842, 95.920

 64, 20.842, 95.920

 74, 20.842, 95.920

 84, 20.842, 95.920

 94, 20.842, 95.920

■ 14, 20.842, 95.920

■ 14, 20.842, 95.920

■ 14, 20.659, 95.855

■ 14, 19.310, 96.333

■ 15, 17.961, 96.905

■ 15, 16.539, 97.568

■ 15, 14.726, 98.270

■ 15, 12.468, 99.097

■ 16, 10.002,
100.010

■ 16, 7.508, 100.915

■ 16, 5.003, 101.808

■ 17, 2.496, 102.679

Harmonies

Complementary

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



14, 20.842, 95.920



3, 23.676, 289.948

Rectangle

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



14, 20.842, 95.920



14, 20.842, 145.920



14, 20.842, 275.920



14, 20.842, 325.920

Sweetspot

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



14, 20.659, 95.855



21, 9.271, 100.756



5, 20.823, 12.697



9, 6.076, 101.319



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



14, 20.659, 95.855



19, 26.964, 94.628



15, 25.489, 123.284



6, 1.113, 103.249



31, 39.505, 93.443



74, 76.333, 92.440

Inverse Universe

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



3, 23.676, 289.948



4, 32.172, 294.896



2, 26.882, 302.572



6, 1.129, 283.854



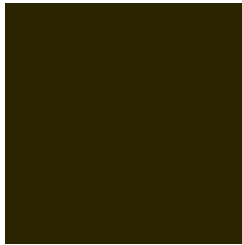
8, 51.628, 302.076



29, 107.962, 304.206

Previews

White Background



This preview shows how the CIELCh color 14, 20.842, 95.920 looks on a white background.

Color Contrast Check

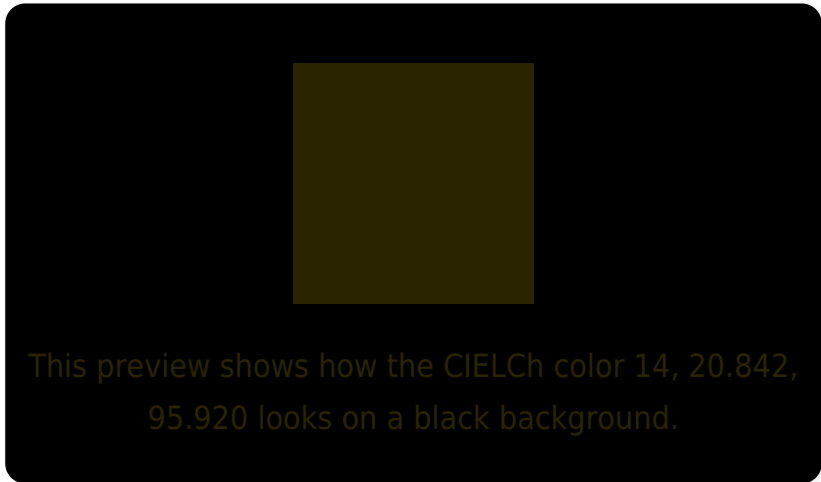
Large Text (above 18pt) WCAG AA ✓ Pass

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

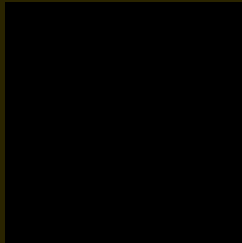
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 20.842, 95.920

Background



This preview shows how black text looks on a background with the CIELCh color 14, 20.842, 95.920.



This preview shows how white text looks on a background with the CIELCh color 14, 20.842, 95.920.

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

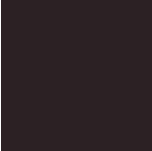
14, 20.842, 95.920

Protanopia

14, 20.332, 97.440

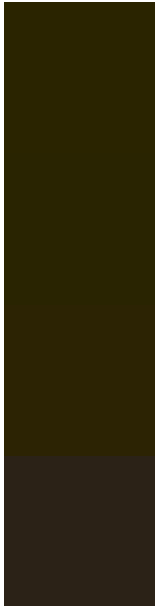
Deuteranopia

14, 19.137, 84.363



Tritanopia
14, 5.896, 359.938

Trichromacy



Original Color
14, 20.842, 95.920

Protanomaly
14, 20.332, 97.440

Deuteranomaly
14, 19.482, 90.119

Tritanomaly
14, 9.315, 75.760

Monochromacy



Original Color
14, 20.842, 95.920

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 9.278, 100.622

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 20.842, 95.920 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(42, 36, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 36, 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(42, 36, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 36, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 20.842, 95.920 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(42, 36, 0) }
```

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

```
.border{ border-color:rgb(42, 36, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 36, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 36, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(42, 36, 0); box-shadow:4px  
4px 4px 4px rgb(42, 36, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 20.842, 95.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 36, 0) }
```

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

```
.background{ background-color: rgb(42, 36,  
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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