

Converting Colors

CIELCh(14, 16.189, 93.843)

Have a look what the booklet for
CIELCh(14, 16.189, 93.843) contains.

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Color

CIELCh(14, 15.820, 93.653)

Conversions

Conversions Part 1

Format	Color
Hex	29230C
RGB	41, 35, 12
RGB Percent	16%, 14%, 5%
CMY	0.8377, 0.8612, 0.9546
CMYK	0.00, 0.14, 0.72, 0.84
HSL	48°, 56%, 10%
HSV	48°, 72%, 16%
XYZ	1.6060, 1.7298, 0.5838
YIQ	34.1720, 10.9590, -5.8810

Conversions

Conversions Part 2

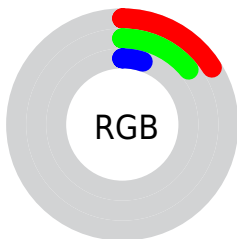
Format	Color
R_{YB}	20, 41, 12
Decimal	2695948
CIE Lab	14.00, -1.01, 15.79
CIE LCh	14, 15.820, 93.653
Yxy	1.7298, 0.4097, 0.4413
Android (android.graphics.Color)	4280886028 (0xFF29230C)
YUV	34.1720, -10.9308, 5.9882
Hunter-Lab	13.1521, -1.2202, 6.5748

Details


The CIELCh color **14, 15.820, 93.653** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 17.740, 288.567**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 15.425, 93.093**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 17.075, 92.758**, and if you desaturate by 10%, it is **14, 14.236, 94.542**.

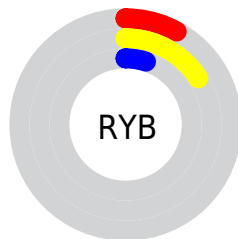
Distribution



 Red (16%)

 Green (14%)

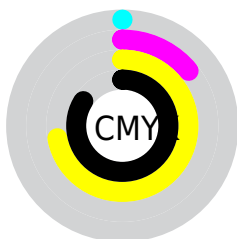
 Blue (5%)



 Red (8%)

 Yellow (16%)

 Blue (5%)

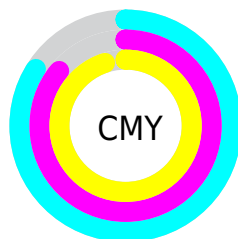



 Cyan (0%)


 Magenta (14%)

 Yellow (72%)

 Black (84%)



 Cyan (84%)

 Magenta (86%)

 Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 15.820, 93.653 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, 15.820, 93.653 by changing the saturation by 10% instead.

 14, 15.820, 93.653

 14, 15.820, 93.653

 100, 15.820,
93.653

 4, 15.820, 93.653

 34, 15.820, 93.653

 0, 15.820, 93.653

 44, 15.820, 93.653

 54, 15.820, 93.653

 64, 15.820, 93.653

 74, 15.820, 93.653

 84, 15.820, 93.653

 94, 15.820, 93.653

■ 14, 15.820, 93.653

■ 14, 15.820, 93.653

■ 14, 17.075, 92.758

■ 14, 14.236, 94.542

■ 13, 18.301, 91.985

■ 15, 12.219, 95.442

■ 13, 19.280, 91.451

■ 15, 9.884, 96.415

■ 15, 7.524, 97.378

■ 16, 5.161, 98.323

■ 16, 2.807, 99.241

■ 17, 0.465, 100.049

■ 17, 1.859, 281.071

■ 18, 4.164, 281.904

Harmonies

Complementary

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



14, 15.820, 93.653



6, 17.740, 288.567

Rectangle

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



14, 15.820, 93.653



14, 15.820, 143.653



14, 15.820, 273.653



14, 15.820, 323.653

Sweetspot

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



14, 15.820, 93.656



21, 6.419, 98.198



7, 16.335, 9.203



10, 4.301, 98.340



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, 15.820, 93.656



18, 23.318, 91.585



15, 19.724, 118.896



6, 1.045, 99.895



29, 38.335, 89.131



71, 74.153, 87.627

Inverse Universe

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



6, 17.740, 288.567



6, 27.540, 293.945



5, 21.535, 302.912



6, 1.064, 280.778



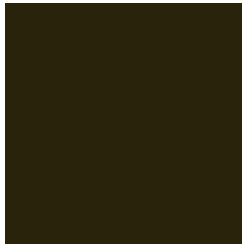
9, 48.400, 300.055



30, 102.368, 302.640

Previews

White Background



This preview shows how the CIELCh color 14, 15.820, 93.653 looks on a white background.

Color Contrast Check

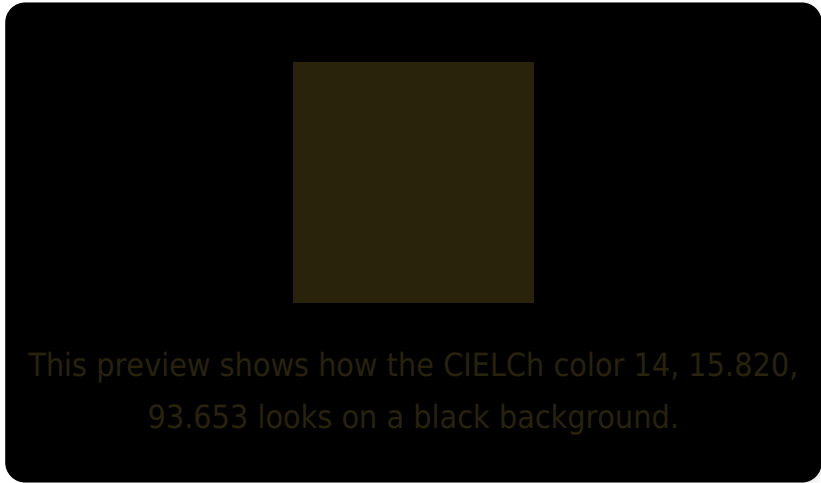
Large Text (above 18pt) WCAG AA ✓ Pass

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

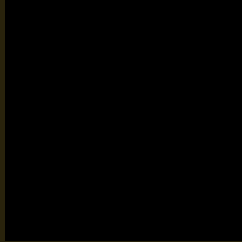
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 15.820, 93.653

Background



This preview shows how black text looks on a background with the CIELCh color 14, 15.820, 93.653.

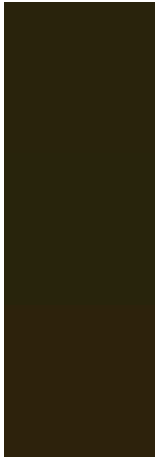


This preview shows how white text looks on a background with the CIELCh color 14, 15.820, 93.653.

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, 15.390, 93.381

Protanopia

14, 15.789, 97.826

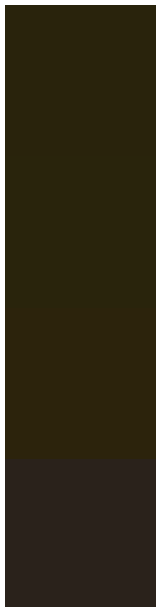
Deuteranopia

14, 15.803, 82.704



Tritanopia
14, 5.425, 357.828

Trichromacy



Original Color
14, 15.390, 93.381

Protanomaly
14, 15.897, 95.766

Deuteranomaly
14, 15.936, 87.280

Tritanomaly
14, 6.606, 68.340

Monochromacy



Original Color
14, 15.390, 93.381

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 6.470, 98.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 15.820, 93.653 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(41, 35, 12)` looks like.

```
.text, #text, p{  
    color:rgb(41, 35, 12)  
}
```

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(41, 35, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 35, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 15.820, 93.653 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(41, 35, 12) }
```

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

```
.border{ border-color:rgb(41, 35, 12) }
```

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

Here you see how a box with a 4 pixel rgb(41, 35, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 35, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 35, 12);  
box-shadow:4px 4px 4px 4px rgb(41, 35, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 14, 15.820, 93.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 35, 12) }
```

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

```
.background{ background-color: rgb(41, 35,  
12) }
```

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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