

Converting Colors

CIELCh(14, 19.112, 115.132)

Have a look what the booklet for
CIELCh(14, 19.112, 115.132)
contains.

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Color

CIELCh(14, 19.155, 114.167)

Conversions

Conversions Part 1

Format	Color
Hex	212607
RGB	33, 38, 7
RGB Percent	13%, 15%, 3%
CMY	0.8704, 0.8507, 0.9722
CMYK	0.13, 0.00, 0.81, 0.85
HSL	70°, 69%, 9%
HSV	70°, 81%, 15%
XYZ	1.3628, 1.7298, 0.4657
YIQ	32.9710, 6.9710, -10.7010

Conversions

Conversions Part 2

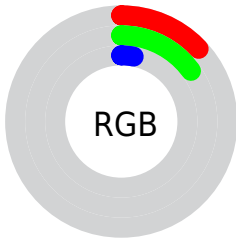
Format	Color
R_YB	7, 38, 12
Decimal	2172423
CIE Lab	14.00, -7.84, 17.48
CIE LCh	14, 19.155, 114.167
Yxy	1.7298, 0.3830, 0.4861
Android (android.graphics.Color)	4280362503 (0xFF212607)
YUV	32.9710, -12.8037, 0.0254
Hunter-Lab	13.1521, -4.5209, 7.1069

Details

The CIELCh color **14, 19.155, 114.167** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 20.508, 296.853**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 19.180, 114.005**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 20.740, 114.481**, and if you desaturate by 10%, it is **14, 17.569, 113.847**.

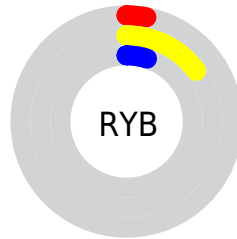
Distribution



Red (13%)

Green (15%)

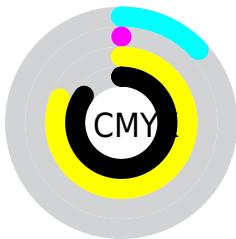
Blue (3%)



Red (3%)

Yellow (15%)

Blue (5%)

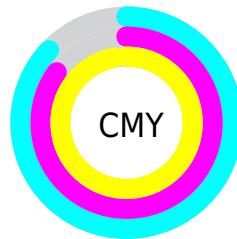


Cyan (13%)

Magenta (0%)

Yellow (81%)

Black (85%)



Cyan (87%)


Magenta (85%)


Yellow (97%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 19.155, 114.167 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, 19.155, 114.167 by changing the saturation by 10% instead.

 14, 19.155,
114.167

 14, 19.155,
114.167


 100, 19.155,
114.167


 4, 19.155, 114.167


 34, 19.155,
114.167

 0, 19.155, 114.167

 44, 19.155,
114.167


 54, 19.155,
114.167


 64, 19.155,
114.167


 74, 19.155,
114.167


 84, 19.155,


114.167


 94, 19.155,
114.167


 14, 19.155,
114.167


 14, 19.155,
114.167


 14, 20.740,
114.481

 14, 17.569,
113.847

 14, 22.115,
114.743

 14, 15.745,
113.645

 14, 13.567,
113.700

 14, 11.047,
114.157

 15, 8.418, 114.726

■ 15, 5.752, 115.302

■ 15, 3.064, 115.875

■ 15, 0.365, 116.436

■ 15, 2.337, 296.988

Harmonies

Complementary

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



14, 19.155, 114.167



3, 20.508, 296.853

Rectangle

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



14, 19.155, 114.167



14, 19.155, 164.167



14, 19.155, 294.167



14, 19.155, 344.167

Sweetspot

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



14, 19.156, 114.169



20, 7.924, 115.065



6, 14.362, 27.354



9, 5.203, 116.713



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



14, 19.156, 114.169



18, 27.851, 112.774



13, 21.934, 134.306



5, 1.033, 116.725



32, 43.001, 111.806



79, 84.937, 112.641

Inverse Universe

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



3, 20.508, 296.853



3, 31.502, 299.801



5, 22.333, 314.316



5, 1.035, 296.302



6, 56.793, 307.180



27, 114.063, 306.919

Previews

White Background



This preview shows how the CIELCh color 14, 19.155, 114.167 looks on a white background.

Color Contrast Check

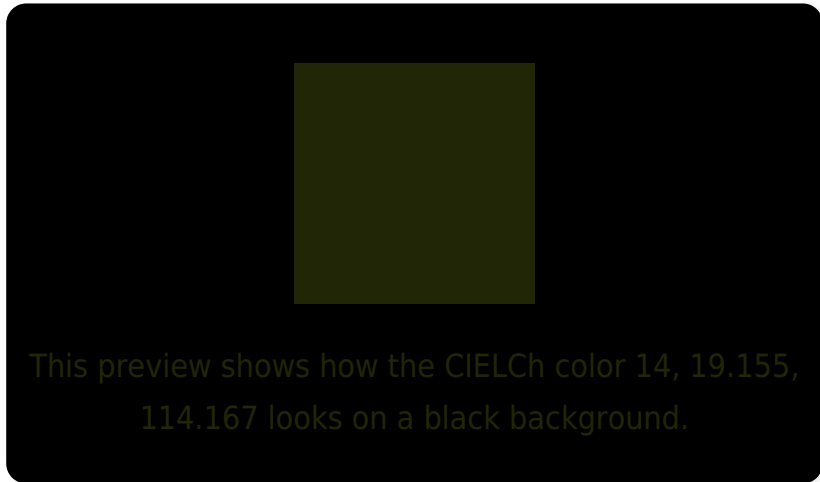
Large Text (above 18pt) WCAG AA ✓ Pass

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

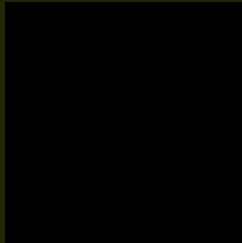
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 19.155, 114.167

Background



This preview shows how black text looks on a background with the CIELCh color 14, 19.155, 114.167.

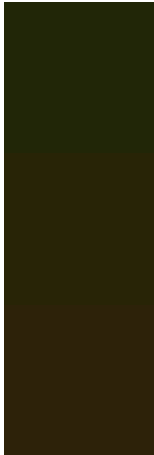


This preview shows how white text looks on a background with the CIELCh color 14, 19.155, 114.167.

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, 19.155, 114.167

Protanopia

14, 18.236, 98.602

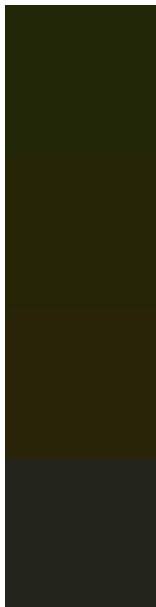
Deuteranopia

14, 16.981, 84.112



Tritanopia
14, 2.202, 303.377

Trichromacy



Original Color
14, 19.155, 114.167

Protanomaly
14, 18.701, 105.789

Deuteranomaly
14, 17.019, 94.344

Tritanomaly
14, 6.387, 113.011

Monochromacy



Original Color
14, 19.155, 114.167

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 7.871, 115.603

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 19.155, 114.167 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(33, 38, 7)` looks like.

```
.text, #text, p{  
    color:rgb(33, 38, 7)  
}
```

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(33, 38, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 38, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 19.155, 114.167 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(33, 38, 7) }
```

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

```
.border{ border-color:rgb(33, 38, 7) }
```

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

Here you see how a box with a 4 pixel rgb(33, 38, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 38, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 38, 7); box-shadow:4px  
4px 4px 4px rgb(33, 38, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 19.155, 114.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 38, 7) }
```

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

```
.background{ background-color: rgb(33, 38,  
7) }
```

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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