

# Converting Colors

CIELCh(14, 22.888, 145.587)

Have a look what the booklet for  
CIELCh(14, 22.888, 145.587)  
contains.

<b>CIELCh(14, 23.227, 145.113)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

# Color

**CIELCh(14, 23.227, 145.113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	092A10
RGB	9, 42, 16
RGB Percent	4%, 16%, 6%
CMY	0.9657, 0.8364, 0.9384
CMYK	0.79, 0.00, 0.62, 0.84
HSL	133°, 65%, 10%
HSV	133°, 79%, 16%
XYZ	1.0192, 1.7298, 0.7588
YIQ	29.1690, -11.3220, -15.0820

# Conversions

## Conversions Part 2

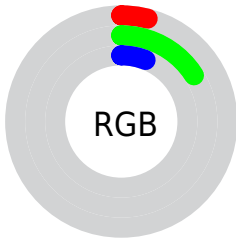
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	9, 36, 42
Decimal	600592
CIE Lab	14.00, -19.05, 13.28
CIE LCh	14, 23.227, 145.113
Yxy	1.7298, 0.2906, 0.4931
Android (android.graphics.Color)	4278790672 (0xFF092A10)
YUV	29.1690, -6.4923, -17.6882
Hunter-Lab	13.1521, -9.1837, 5.7859

# Details

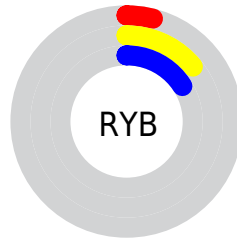
The CIELCh color **14, 23.227, 145.113** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **7, 22.871, 335.294**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 23.032, 145.311**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 25.533, 144.990**, and if you desaturate by 10%, it is **14, 20.742, 145.791**.

# Distribution



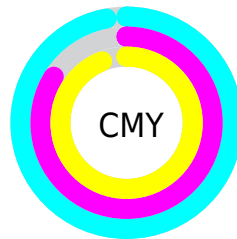
- Red (4%)
- Green (16%)
- Blue (6%)



- Red (4%)
- Yellow (14%)
- Blue (16%)



- Cyan (79%)
- Magenta (0%)
- Yellow (62%)
- Black (84%)




- Cyan (97%)
- Magenta (84%)
- Yellow (94%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 14, 23.227, 145.113 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, 23.227, 145.113 by changing the saturation by 10% instead.




 14, 23.227,  
145.113

 14, 23.227,  
145.113


 100, 23.227,  
145.113


 4, 23.227, 145.113


 34, 23.227,  
145.113

 0, 23.227, 145.113

 44, 23.227,  
145.113


 54, 23.227,  
145.113


 64, 23.227,  
145.113


 74, 23.227,  
145.113


 84, 23.227,


145.113


 94, 23.227,  
145.113

 14, 23.227,  
145.113


 14, 23.227,  
145.113


 14, 25.533,  
144.990


 14, 20.742,  
145.791

 14, 27.722,  
145.355

 14, 17.973,  
146.766

 14, 27.931,  
145.403

 15, 15.055,  
147.686

 15, 12.040,  
148.507

 16, 8.968, 149.238

■ 16, 5.870, 149.891

■ 16, 2.775, 150.485

■ 17, 0.295, 330.598

■ 18, 3.323, 331.384

# Harmonies

# Complementary

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



14, 23.227, 145.113



7, 22.871, 335.294

# Rectangle

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



14, 23.227, 145.113



14, 23.227, 195.113



14, 23.227, 325.113



14, 23.227, 15.113

# Sweetspot

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



14, 23.227, 145.113



21, 9.148, 149.483



16, 20.859, 115.254



9, 6.354, 149.640



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, 23.227, 145.113



19, 33.016, 142.471



14, 15.270, 168.669



6, 1.379, 150.704



30, 48.239, 140.337



74, 97.693, 138.644



# Inverse Universe

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



7, 22.871, 335.294



9, 31.863, 336.669



7, 17.876, 4.940



6, 1.368, 331.124



17, 44.362, 337.824

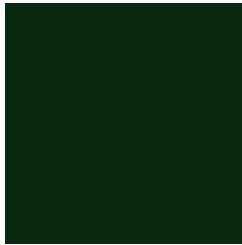


48, 85.175, 338.947



# Previews

## White Background



This preview shows how the CIELCh color 14, 23.227, 145.113 looks on a white background.

## Color Contrast Check

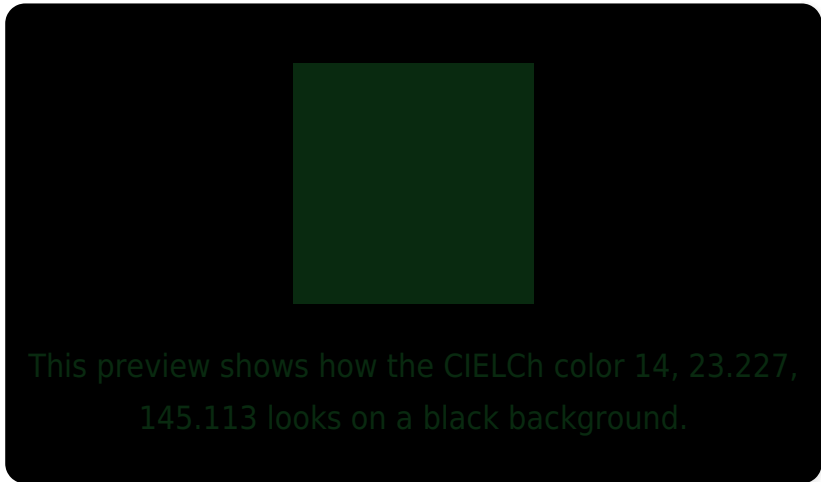
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.227, 145.113**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 14, 23.227, 145.113.



This preview shows how white text looks on a background with the CIELCh color 14, 23.227, 145.113.

# 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, 23.227, 145.113


### Protanopia

14, 14.847, 97.471

### Deuteranopia

14, 12.606, 80.309





**Tritanopia**  
14, 8.694, 211.963

# Trichromacy



**Original Color**  
14, 23.227, 145.113

**Protanomaly**  
14, 16.219, 123.543

**Deuteranomaly**  
14, 14.087, 119.776

**Tritanomaly**  
14, 12.413, 169.235

# Monochromacy



**Original Color**  
14, 23.227, 145.113

**Achromatopsia**  
11, 0.003, 296.813

**Achromatomaly**  
12, 9.448, 147.459

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 14, 23.227, 145.113 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(9, 42, 16)` looks like.

```
.text, #text, p{  
    color:rgb(9, 42, 16)  
}
```

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(9, 42, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 42, 16) }
```

## Border

The CSS property to change the border of an element to CIELCh 14, 23.227, 145.113 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(9, 42, 16) }
```

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

```
.border{ border-color:rgb(9, 42, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 42, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 42, 16); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 42, 16); box-shadow:4px  
4px 4px 4px rgb(9, 42, 16) }
```

# Background

The CSS property to change the background color of an element to CIELCh 14, 23.227, 145.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 42, 16) }
```

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

```
.background{ background-color: rgb(9, 42,  
16) }
```

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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