

Converting Colors

CIELCh(12, 37.137, 167.861)

Have a look what the booklet for
CIELCh(12, 37.137, 167.861)
contains.

CIELCh(14, 23.332, 153.402)	3
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Color

CIELCh(14, 23.332, 153.402)

Conversions

Conversions Part 1

Format	Color
Hex	002A14
RGB	0, 42, 20
RGB Percent	0%, 16%, 8%
CMY	0.9992, 0.8341, 0.9205
CMYK	0.99, 0.00, 0.52, 0.83
HSL	149°, 99%, 8%
HSV	149°, 99%, 17%
XYZ	0.9698, 1.7298, 0.9572
YIQ	26.9340, -17.9700, -15.7460

Conversions

Conversions Part 2

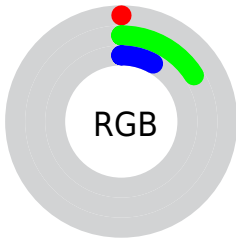
Format	Color
RYB	0, 28, 42
Decimal	10772
CIELab	14.00, -20.86, 10.45
CIELCh	14, 23.332, 153.402
Yxy	1.7298, 0.2652, 0.4730
Android (android.graphics.Color)	4278200852 (0xFF002A14)
YUV	26.9340, -3.4185, -23.6211
Hunter-Lab	13.1521, -9.8539, 4.8913

Details

The CIELCh color **14, 23.332, 153.402** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **5, 23.007, 352.536**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **34, 23.623, 153.087**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 23.442, 153.373**, and if you desaturate by 10%, it is **14, 21.185, 154.125**.

Distribution



Red (0%)

Green (16%)

Blue (8%)



Red (0%)

Yellow (11%)

Blue (16%)

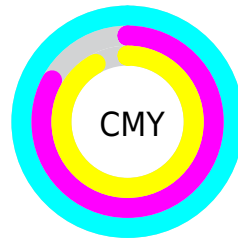


Cyan (99%)

Magenta (0%)

Yellow (52%)

Black (83%)



Cyan (100%)


Magenta (83%)


Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 14, 23.332, 153.402 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, 23.332, 153.402 by changing the saturation by 10% instead.

 14, 23.332,
153.402

 14, 23.332,
153.402

 100, 23.332,
153.402

 4, 23.332, 153.402


 34, 23.332,
153.402

 0, 23.332, 153.402

 44, 23.332,
153.402

 54, 23.332,
153.402


 64, 23.332,
153.402


 74, 23.332,
153.402


 84, 23.332,


153.402


 94, 23.332,
153.402


 14, 23.332,
153.402


 14, 23.332,
153.402


 14, 23.442,
153.373

 14, 21.185,
154.125

 14, 19.097,
155.134

 15, 17.018,
156.377

 15, 14.801,
157.521

 15, 12.461,
158.554

■ 16, 10.027,
159.489

■ 16, 7.526, 160.338

■ 16, 4.985, 161.117

■ 17, 2.426, 161.850

Harmonies

Complementary

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



14, 23.332, 153.402



5, 23.007, 352.536

Rectangle

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



14, 23.332, 153.402



14, 23.332, 203.402



14, 23.332, 333.402



14, 23.332, 23.402

Sweetspot

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



14, 23.332, 153.402



22, 9.709, 160.136



15, 26.697, 127.972



9, 6.443, 160.112



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, 23.332, 153.402



20, 28.812, 151.773



15, 14.592, 192.353



6, 1.141, 161.926



31, 39.043, 150.031



75, 79.604, 147.775

Inverse Universe

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



5, 23.007, 352.536



8, 29.677, 353.782



5, 21.112, 18.119



6, 1.126, 342.905



16, 38.415, 356.384



46, 73.901, 0.196

Previews

White Background



This preview shows how the CIELCh color 14, 23.332, 153.402 looks on a white background.

Color Contrast Check

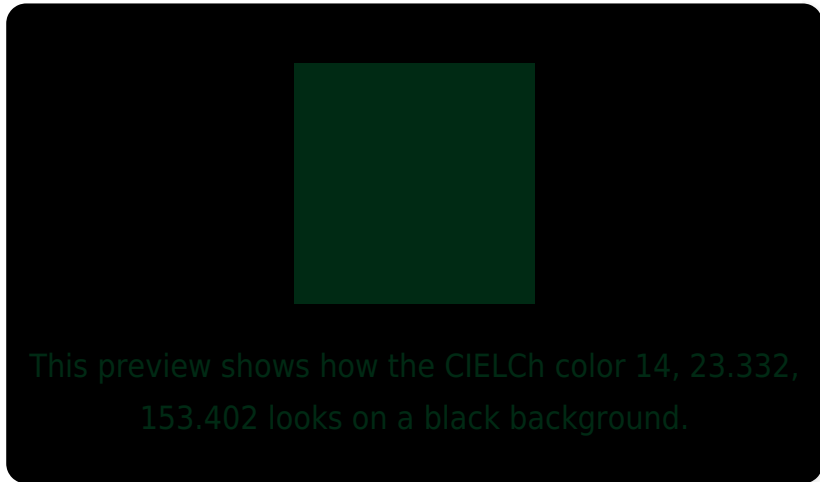
Large Text (above 18pt) WCAG AA ✓ Pass

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

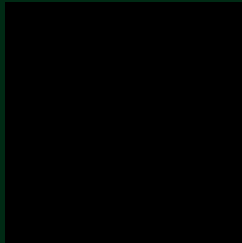
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 14, 23.332, 153.402

Background



This preview shows how black text looks on a background with the CIELCh color 14, 23.332, 153.402.



This preview shows how white text looks on a background with the CIELCh color 14, 23.332, 153.402.

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, 23.332, 153.402

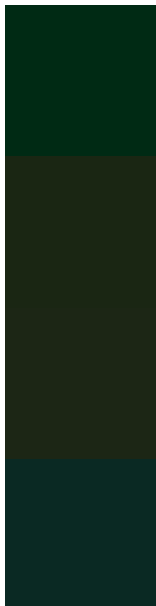
Protanopia
14, 12.667, 96.471

Deuteranopia
14, 10.512, 79.223



Tritanopia
14, 9.594, 210.389

Trichromacy



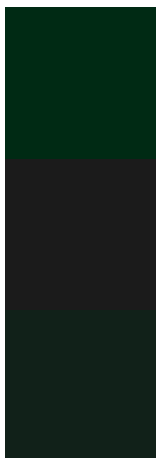
Original Color
14, 23.332, 153.402

Protanomaly
14, 14.646, 131.812

Deuteranomaly
14, 13.003, 130.484

Tritanomaly
14, 13.243, 177.579

Monochromacy



Original Color
14, 23.332, 153.402

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 9.727, 160.149

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 14, 23.332, 153.402 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(0, 42, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 42, 20)  
}
```

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(0, 42, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 42, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 14, 23.332, 153.402 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(0, 42, 20) }
```

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

```
.border{ border-color:rgb(0, 42, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 42, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 42, 20); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 42, 20); box-shadow:4px  
4px 4px 4px rgb(0, 42, 20) }
```

Background

The CSS property to change the background color of an element to CIELCh 14, 23.332, 153.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 42, 20) }
```

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

```
.background{ background-color: rgb(0, 42,  
20) }
```

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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