

Converting Colors

CIELCh(79, 99.381, 140.154)

Have a look what the booklet for
CIELCh(79, 99.381, 140.154)
contains.

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Color

CIELCh(79, 99.099, 140.133)

Conversions

Conversions Part 1

Format	Color
Hex	02E23E
RGB	2, 226, 62
RGB Percent	1%, 89%, 24%
CMY	0.9927, 0.1125, 0.7556
CMYK	0.99, 0.00, 0.72, 0.11
HSL	136°, 98%, 45%
HSV	136°, 99%, 89%
XYZ	28.1843, 54.9284, 13.7209
YIQ	140.3280, -80.8600, -98.4920

Conversions

Conversions Part 2

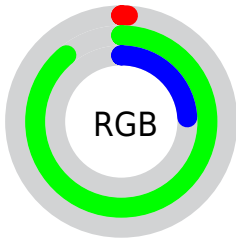
Format	Color
RYB	2, 179, 226
Decimal	188990
CIELab	79.00, -76.06, 63.52
CIELCh	79, 99.099, 140.133
Yxy	54.9284, 0.2911, 0.5672
Android (android.graphics.Color)	4278379070 (0xFF02E23E)
YUV	140.3280, -38.6157, -121.3137
Hunter-Lab	74.1137, -61.8182, 40.9031

Details

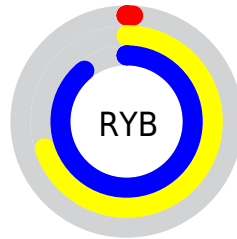
The CIELCh color **79, 99.099, 140.133** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **51, 85.836, 342.794**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 84.116, 141.065**, and **60, 88.014, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **79, 99.524, 139.996**, and if you desaturate by 10%, it is **79, 93.387, 141.978**.

Distribution



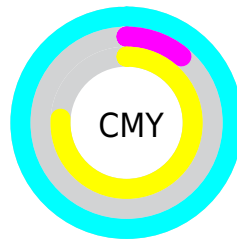
- Red (1%)
- Green (89%)
- Blue (24%)



- Red (1%)
- Yellow (70%)
- Blue (89%)



- Cyan (99%)
- Magenta (0%)
- Yellow (72%)
- Black (11%)




- Cyan (99%)
- Magenta (11%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 99.099, 140.133 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 79, 99.099, 140.133 by changing the saturation by 10% instead.


 79, 99.099,
140.133

 79, 99.099,
140.133


 100, 99.099,
140.133


 69, 99.099,
140.133


 99, 99.099,
140.133

 59, 99.099,
140.133

 49, 99.099,
140.133

 39, 99.099,
140.133

 29, 99.099,
140.133

 19, 99.099,
140.133

 9, 99.099, 140.133

■ 0, 99.099, 140.133

■ 79, 99.099,
140.133

■ 79, 99.099,
140.133

■ 79, 99.524,
139.996

■ 79, 93.387,
141.978

■ 80, 86.300,
143.826

■ 80, 77.890,
145.557

■ 81, 68.320,
147.124

■ 82, 57.805,
148.509

■ 83, 46.581,
149.718

■ 85, 34.889,
150.767

■ 86, 22.946,
151.677

■ 88, 10.938,
152.479

Harmonies

Complementary

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



79, 99.099, 140.133



51, 85.836, 342.794

Rectangle

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



79, 99.099, 140.133



79, 99.099, 190.133



79, 99.099, 320.133



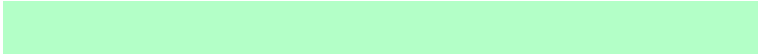
79, 99.099, 10.133

Sweetspot

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



79, 99.099, 140.134



94, 39.509, 150.666



83, 92.366, 118.327



49, 26.902, 150.233



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 99.099, 140.134



88, 109.247, 139.866



81, 59.323, 167.479



46, 6.725, 152.459



63, 81.819, 140.327



16, 30.564, 144.701

Inverse Universe

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



51, 85.836, 342.794



57, 93.849, 343.060



48, 83.214, 27.224



44, 6.754, 333.672



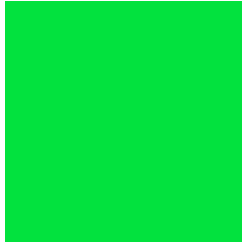
39, 71.350, 342.620



7, 29.965, 339.715

Previews

White Background



This preview shows how the CIE LCh color 79, 99.099, 140.133 looks on a white 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

Black Background



This preview shows how the CIELCh color 79, 99.099, 140.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

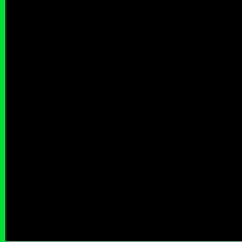
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

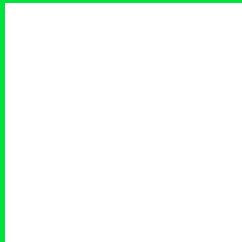
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 99.099, 140.133

Background



This preview shows how black text looks on a background with the CIELCh color 79, 99.099, 140.133.

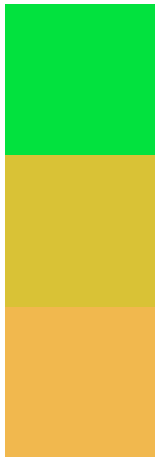


This preview shows how white text looks on a background with the CIELCh color 79, 99.099, 140.133.

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


79, 99.054, 140.104

Protanopia

78, 68.841, 95.342

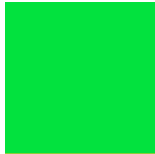
Deuteranopia

78, 60.756, 80.387



Tritanopia
79, 33.646, 213.091

Trichromacy



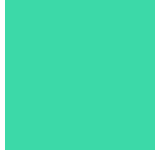
Original Color
79, 99.054, 140.104



Protanomaly
76, 77.005, 124.503



Deuteranomaly
75, 66.174, 120.797



Tritanomaly
78, 53.170, 166.221

Monochromacy



Original Color
79, 99.054, 140.104



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 45.015, 148.771

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 99.099, 140.133 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(2, 226, 62)` looks like.

```
.text, #text, p{  
    color:rgb(2, 226, 62)  
}
```

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(2, 226, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 226, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 99.099, 140.133 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(2, 226, 62) }
```

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

```
.border{ border-color:rgb(2, 226, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 226, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 226, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 226, 62);  
box-shadow:4px 4px 4px 4px rgb(2, 226, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 79, 99.099, 140.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 226, 62) }
```

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

```
.background{ background-color: rgb(2, 226,  
62) }
```

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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