

Converting Colors

CIELCh(70, 93.699, 138.142)

Have a look what the booklet for
CIELCh(70, 93.699, 138.142)
contains.

CIELCh(70, 93.473, 138.182)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 93.473, 138.182)

Conversions

Conversions Part 1

Format	Color
Hex	09C626
RGB	9, 198, 38
RGB Percent	4%, 78%, 15%
CMY	0.9655, 0.2221, 0.8493
CMYK	0.96, 0.00, 0.81, 0.22
HSL	129°, 92%, 41%
HSV	129°, 96%, 78%
XYZ	20.7418, 40.7494, 8.6422
YIQ	123.2490, -61.2840, -89.8280

Conversions

Conversions Part 2

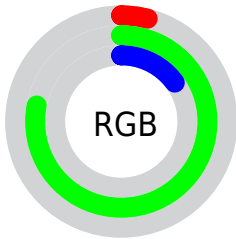
Format	Color
RYB	9, 173, 198
Decimal	640550
CIELab	70.00, -69.66, 62.32
CIELCh	70, 93.473, 138.182
Yxy	40.7494, 0.2957, 0.5810
Android (android.graphics.Color)	4278830630 (0xFF09C626)
YUV	123.2490, -42.0278, -100.1964
Hunter-Lab	63.8353, -53.7123, 36.6578

Details

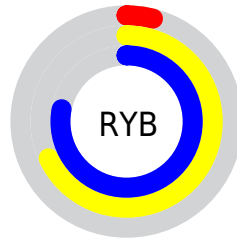
The CIELCh color **70, 93.473, 138.182** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **46, 84.185, 335.308**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 92.895, 138.195**, and **51, 77.464, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **70, 95.276, 137.659**, and if you desaturate by 10%, it is **70, 88.232, 139.623**.

Distribution



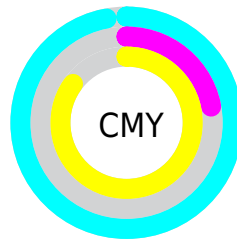
- Red (4%)
- Green (78%)
- Blue (15%)



- Red (4%)
- Yellow (68%)
- Blue (78%)



- Cyan (96%)
- Magenta (0%)
- Yellow (81%)
- Black (22%)





- Cyan (97%)
- Magenta (22%)
- Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 93.473, 138.182 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 70, 93.473, 138.182 by changing the saturation by 10% instead.


 70, 93.473,
138.182


 70, 93.473,
138.182


 100, 93.473,
138.182


 60, 93.473,
138.182


 90, 93.473,
138.182

 50, 93.473,
138.182

 40, 93.473,
138.182

 30, 93.473,
138.182

 20, 93.473,
138.182

 10, 93.473,
138.182

 0, 93.473, 138.182

■ 70, 93.473,
138.182

■ 70, 93.473,
138.182

■ 70, 95.276,
137.659

■ 70, 88.232,
139.623

■ 71, 81.270,
141.140

■ 71, 72.826,
142.621

■ 72, 63.182,
143.993

■ 73, 52.628,
145.222

■ 74, 41.444,
146.300

■ 76, 29.885,
147.233

■ 77, 18.164,

148.040

■ 79, 6.456, 148.756

Harmonies

Complementary

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



70, 93.473, 138.182



46, 84.185, 335.308

Rectangle

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



70, 93.473, 138.182



70, 93.473, 188.182



70, 93.473, 318.182



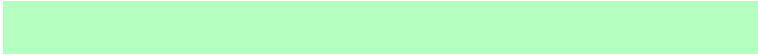
70, 93.473, 8.182

Sweetspot

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



70, 93.473, 138.183



94, 41.539, 146.889



76, 80.483, 111.712



49, 28.458, 146.479



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 93.473, 138.183



88, 115.677, 137.455



71, 60.890, 158.950



41, 6.609, 148.488



58, 82.029, 137.865



11, 24.646, 146.413

Inverse Universe

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



46, 84.185, 335.308



58, 102.035, 335.788



42, 69.834, 14.491



39, 6.627, 329.584



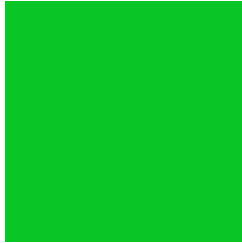
37, 73.324, 335.535



4, 23.335, 332.957

Previews

White Background



This preview shows how the CIELCh color 70, 93.473, 138.182 looks on a white background.

Color Contrast Check

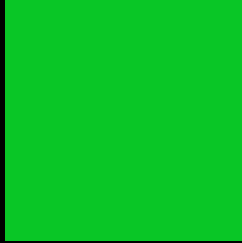
Large Text (above 18pt) WCAG AA × Fail

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 70, 93.473, 138.182 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 70, 93.473, 138.182

Background



This preview shows how black text looks on a background with the CIELCh color 70, 93.473, 138.182.



This preview shows how white text looks on a background with the CIELCh color 70, 93.473, 138.182.

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

70, 93.419, 138.143

Protanopia

69, 67.044, 95.175

Deuteranopia

69, 59.737, 81.445



Tritanopia
70, 30.069, 213.312

Trichromacy



Original Color
70, 93.419, 138.143



Protanomaly
67, 73.313, 121.850



Deuteranomaly
67, 64.410, 118.240



Tritanomaly
69, 49.595, 162.955

Monochromacy



Original Color
70, 93.419, 138.143



Achromatopsia
52, 0.007, 296.813



Achromatomaly
56, 42.239, 145.377

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 93.473, 138.182 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, 198, 38)` looks like.

```
.text, #text, p{  
    color:rgb(9, 198, 38)  
}
```

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, 198, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 198, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 93.473, 138.182 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, 198, 38) }
```

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

```
.border{ border-color:rgb(9, 198, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 198, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 198, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 198, 38);  
box-shadow:4px 4px 4px 4px rgb(9, 198, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 93.473, 138.182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 198, 38) }
```

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

```
.background{ background-color: rgb(9, 198,  
38) }
```

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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