

Converting Colors

CIELCh(52, 68.513, 140.854)

Have a look what the booklet for
CIELCh(52, 68.513, 140.854)
contains.

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Color

CIELCh(52, 68.533, 140.873)

Conversions

Conversions Part 1

Format	Color
Hex	0B902A
RGB	11, 144, 42
RGB Percent	4%, 56%, 16%
CMY	0.9584, 0.4358, 0.8357
CMYK	0.93, 0.00, 0.71, 0.44
HSL	134°, 86%, 30%
HSV	134°, 93%, 56%
XYZ	10.5034, 20.1443, 5.5140
YIQ	92.6050, -46.5260, -59.9180

Conversions

Conversions Part 2

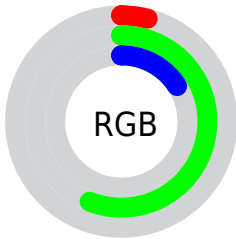
Format	Color
RYB	11, 119, 144
Decimal	757802
CIELab	52.00, -53.16, 43.25
CIElCh	52, 68.533, 140.873
Yxy	20.1443, 0.2905, 0.5571
Android (android.graphics.Color)	4278947882 (0xFF0B902A)
YUV	92.6050, -24.9483, -71.5676
Hunter-Lab	44.8824, -36.7715, 24.1337

Details

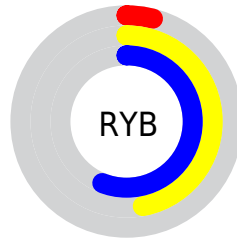
The CIELCh color **52, 68.533, 140.873** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 62.301, 339.155**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **72, 68.513, 140.854**, and **33, 56.868, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 71.559, 139.731**, and if you desaturate by 10%, it is **52, 63.677, 142.583**.

Distribution



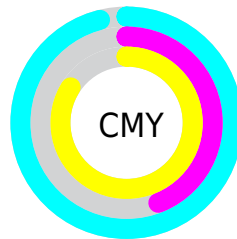
- Red (4%)
- Green (56%)
- Blue (16%)



- Red (4%)
- Yellow (47%)
- Blue (56%)



- Cyan (93%)
- Magenta (0%)
- Yellow (71%)
- Black (44%)





- Cyan (96%)
- Magenta (44%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 68.533, 140.873 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 52, 68.533, 140.873 by changing the saturation by 10% instead.


 52, 68.533,
140.873


 52, 68.533,
140.873


 100, 68.533,
140.873


 42, 68.533,
140.873


 72, 68.533,
140.873

 32, 68.533,
140.873

 82, 68.533,
140.873

 22, 68.533,
140.873

 92, 68.533,
140.873

 12, 68.533,
140.873

 2, 68.533, 140.873

 0, 68.533, 140.873

■ 52, 68.533,
140.873

■ 52, 68.533,
140.873

■ 52, 71.559,
139.731

■ 52, 63.677,
142.583

■ 53, 57.848,
144.217

■ 53, 51.174,
145.719

■ 54, 43.807,
147.063

■ 55, 35.917,
148.246

■ 56, 27.670,
149.277

■ 57, 19.219,
150.174

■ 58, 10.695,

150.958

■ 59, 2.206, 151.721

Harmonies

Complementary

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



52, 68.533, 140.873



33, 62.301, 339.155

Rectangle

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



52, 68.533, 140.873



52, 68.533, 190.873



52, 68.533, 320.873



52, 68.533, 10.873

Sweetspot

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



52, 68.533, 140.873



71, 29.334, 149.655



56, 63.479, 115.836



37, 20.388, 149.290



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



52, 68.533, 140.873



66, 87.302, 139.344



53, 42.322, 166.460



30, 4.745, 151.210



49, 68.198, 139.842



2, 3.195, 151.773

Inverse Universe

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



33, 62.301, 339.155



42, 76.164, 340.351



30, 55.092, 19.221



28, 4.762, 332.308



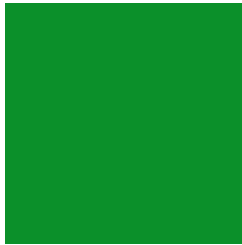
30, 60.459, 339.958



1, 3.195, 331.767

Previews

White Background



This preview shows how the CIELCh color 52, 68.533, 140.873 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 52, 68.533, 140.873 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 × Fail

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

CIELCh 52, 68.533, 140.873

Background



This preview shows how black text looks on a background with the CIELCh color 52, 68.533, 140.873.



This preview shows how white text looks on a background with the CIELCh color 52, 68.533, 140.873.

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
52, 68.533, 140.873

Protanopia
52, 47.208, 95.976

Deuteranopia
52, 41.393, 80.587



Tritanopia
52, 23.553, 213.213

Trichromacy



Original Color
52, 68.533, 140.873



Protanomaly
50, 52.089, 123.519



Deuteranomaly
50, 44.871, 119.842



Tritanomaly
52, 36.307, 167.181

Monochromacy



Original Color
52, 68.533, 140.873



Achromatopsia
39, 0.006, 296.813



Achromatomaly
43, 29.826, 148.561

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 68.533, 140.873 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(11, 144, 42)` looks like.

```
.text, #text, p{  
    color:rgb(11, 144, 42)  
}
```

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(11, 144, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 144, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 68.533, 140.873 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(11, 144, 42) }
```

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

```
.border{ border-color:rgb(11, 144, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 144, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 144, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 144, 42);  
box-shadow:4px 4px 4px 4px rgb(11, 144,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 68.533, 140.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 144, 42) }
```

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

```
.background{ background-color: rgb(11, 144,  
42) }
```

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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