

Converting Colors

CIELCh(52, 78.102, 136.377)

Have a look what the booklet for
CIELCh(52, 78.102, 136.377)
contains.

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Color

CIELCh(52, 78.082, 136.315)

Conversions

Conversions Part 1

Format	Color
Hex	009103
RGB	0, 145, 3
RGB Percent	0%, 57%, 1%
CMY	1.0000, 0.4327, 0.9868
CMYK	1.00, 0.00, 0.98, 0.43
HSL	121°, 100%, 28%
HSV	121°, 100%, 57%
XYZ	10.0759, 20.1443, 3.4538
YIQ	85.4570, -40.8380, -74.9020

Conversions

Conversions Part 2

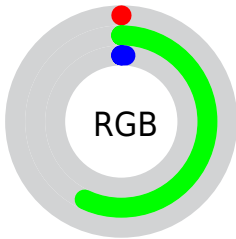
Format	Color
RYB	0, 142, 145
Decimal	37123
CIELab	52.00, -56.46, 53.93
CIELCh	52, 78.082, 136.315
Yxy	20.1443, 0.2992, 0.5982
Android (android.graphics.Color)	4278227203 (0xFF009103)
YUV	85.4570, -40.6513, -74.9458
Hunter-Lab	44.8824, -38.4717, 26.8552

Details

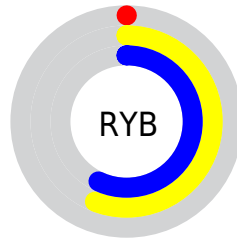
The CIELCh color **52, 78.082, 136.315** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **34, 74.411, 329.162**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **72, 78.174, 136.246**, and **34, 57.297, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 78.032, 136.270**, and if you desaturate by 10%, it is **52, 75.250, 136.842**.

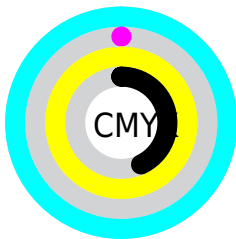
Distribution



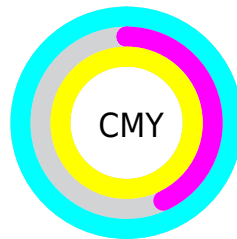
- Red (0%)
- Green (57%)
- Blue (1%)



- Red (0%)
- Yellow (56%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (43%)





- Cyan (100%)
- Magenta (43%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 78.082, 136.315 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, 78.082, 136.315 by changing the saturation by 10% instead.


 52, 78.082,
136.315


 52, 78.082,
136.315


 100, 78.082,
136.315


 42, 78.082,
136.315


 72, 78.082,
136.315

 32, 78.082,
136.315

 82, 78.082,
136.315

 22, 78.082,
136.315

 92, 78.082,
136.315

 12, 78.082,
136.315

 2, 78.082, 136.315

 0, 78.082, 136.315

■ 52, 78.082,
136.315

■ 52, 78.082,
136.315

■ 52, 78.032,
136.270

■ 52, 75.250,
136.842

■ 52, 70.847,
137.738

■ 53, 64.723,
138.827

■ 53, 57.216,
139.980

■ 54, 48.678,
141.097

■ 55, 39.430,
142.122

■ 56, 29.740,
143.032

■ 57, 19.830,

143.825

■ 59, 9.871, 144.512

Harmonies

Complementary

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



52, 78.082, 136.315



34, 74.411, 329.162

Rectangle

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



52, 78.082, 136.315



52, 78.082, 186.315



52, 78.082, 316.315



52, 78.082, 6.315

Sweetspot

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



52, 78.032, 136.270



71, 36.934, 142.979



58, 63.544, 103.865



37, 25.078, 142.649



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, 78.032, 136.270



67, 95.086, 136.201



53, 56.804, 150.486



29, 5.511, 144.565



49, 74.232, 136.291



2, 3.708, 145.070

Inverse Universe

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



34, 74.411, 329.162



45, 90.486, 329.182



30, 55.498, 2.643



28, 5.520, 325.538



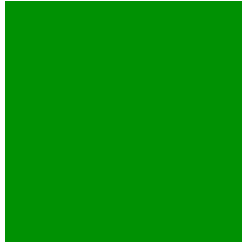
31, 70.831, 329.156



1, 3.708, 325.065

Previews

White Background



This preview shows how the CIELCh color 52, 78.082, 136.315 looks on a white background.

Color Contrast Check

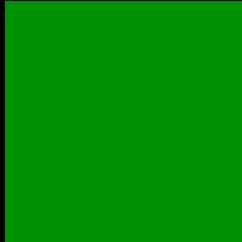
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 52, 78.082, 136.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

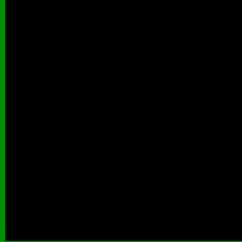
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 78.082, 136.315

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.082, 136.315.



This preview shows how white text looks on a background with the CIELCh color 52, 78.082, 136.315.

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, 78.224, 136.241

Protanopia

52, 57.312, 95.582

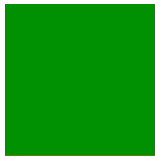
Deuteranopia

52, 50.200, 82.394



Tritanopia
52, 23.151, 213.531

Trichromacy



Original Color
52, 78.224, 136.241



Protanomaly
50, 62.986, 121.096

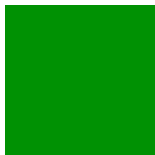


Deuteranomaly
49, 55.161, 116.898



Tritanomaly
51, 42.066, 158.271

Monochromacy



Original Color
52, 78.224, 136.241



Achromatopsia
36, 0.005, 296.813



Achromatomaly
41, 37.881, 141.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.082, 136.315 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, 145, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 3)  
}
```

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, 145, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 78.082, 136.315 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, 145, 3) }
```

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

```
.border{ border-color:rgb(0, 145, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 145, 3); box-shadow:4px  
4px 4px 4px rgb(0, 145, 3) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 78.082, 136.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 3) }
```

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

```
.background{ background-color: rgb(0, 145,  
3) }
```

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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