

Converting Colors

CIELCh(51, 86.805, 136.279)

Have a look what the booklet for
CIELCh(51, 86.805, 136.279)
contains.

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Color

CIELCh(52, 78.257, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	029101
RGB	2, 145, 1
RGB Percent	1%, 57%, 0%
CMY	0.9919, 0.4329, 0.9958
CMYK	0.99, 0.00, 0.99, 0.43
HSL	120°, 99%, 29%
HSV	120°, 99%, 57%
XYZ	10.0959, 20.1443, 3.3863
YIQ	85.8270, -39.0040, -75.1000

Conversions

Conversions Part 2

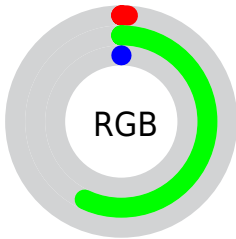
Format	Color
RYB	1, 145, 144
Decimal	168193
CIELab	52.00, -56.31, 54.35
CIELCh	52, 78.257, 136.016
Yxy	20.1443, 0.3002, 0.5991
Android (android.graphics.Color)	4278358273 (0xFF029101)
YUV	85.8270, -41.8197, -73.5163
Hunter-Lab	44.8824, -38.3923, 26.9444

Details

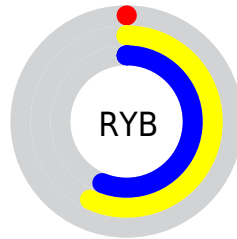
The CIELCh color **52, 78.257, 136.016** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **34, 75.594, 327.956**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **72, 78.369, 135.928**, and **34, 57.297, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **52, 78.454, 135.977**, and if you desaturate by 10%, it is **52, 75.487, 136.543**.

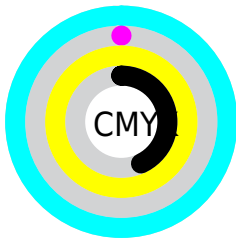
Distribution



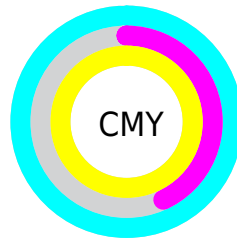
- Red (1%)
- Green (57%)
- Blue (0%)



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



- Cyan (99%)
- Magenta (0%)
- Yellow (99%)
- Black (43%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 78.257, 136.016 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, 78.257, 136.016 by changing the saturation by 10% instead.


 52, 78.257,
136.016


 52, 78.257,
136.016


 100, 78.257,
136.016


 42, 78.257,
136.016


 72, 78.257,
136.016

 32, 78.257,
136.016

 82, 78.257,
136.016

 22, 78.257,
136.016

 92, 78.257,
136.016

 12, 78.257,
136.016

 2, 78.257, 136.016

 0, 78.257, 136.016

■ 52, 78.257,
136.016

■ 52, 78.257,
136.016

■ 52, 78.454,
135.977

■ 52, 75.487,
136.543

■ 52, 71.114,
137.305

■ 53, 64.937,
138.295

■ 53, 57.318,
139.377

■ 54, 48.639,
140.445

■ 55, 39.241,
141.434

■ 56, 29.404,
142.317

■ 57, 19.354,

143.087

■ 59, 9.265, 143.756

Harmonies

Complementary

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



52, 78.257, 136.016



34, 75.594, 327.956

Rectangle

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



52, 78.257, 136.016



52, 78.257, 186.016



52, 78.257, 316.016



52, 78.257, 6.016

Sweetspot

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



52, 78.256, 136.017



71, 37.436, 142.203



57, 62.576, 101.844



37, 25.418, 141.879



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, 78.256, 136.017



67, 95.478, 135.988



52, 58.490, 148.951



29, 5.587, 143.762



49, 74.688, 135.974



2, 3.758, 144.259

Inverse Universe

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



34, 75.594, 327.956



45, 92.182, 327.957



31, 55.713, 359.312



28, 5.596, 324.719



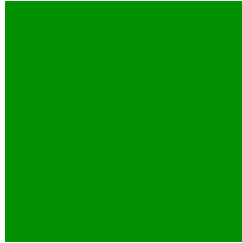
31, 72.123, 327.964



1, 3.759, 324.254

Previews

White Background



This preview shows how the CIELCh color 52, 78.257, 136.016 looks on a white background.

Color Contrast Check

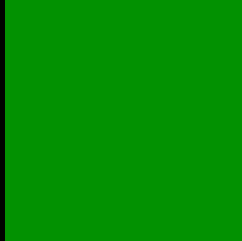
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.257, 136.016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

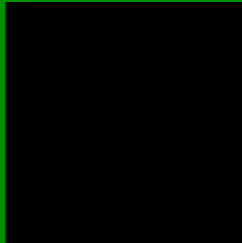
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 52, 78.257, 136.016

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.257, 136.016.



This preview shows how white text looks on a background with the CIELCh color 52, 78.257, 136.016.

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, 78.426, 136.015

Protanopia
52, 57.312, 95.582

Deuteranopia
52, 50.200, 82.394



Tritanopia
52, 23.151, 213.531

Trichromacy



Original Color
52, 78.426, 136.015



Protanomaly
50, 62.571, 120.434



Deuteranomaly
49, 55.434, 116.803



Tritanomaly
51, 42.331, 157.574

Monochromacy



Original Color
52, 78.426, 136.015



Achromatopsia
37, 0.005, 296.813



Achromatomaly
41, 37.674, 140.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.257, 136.016 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, 145, 1)` looks like.

```
.text, #text, p{  
    color:rgb(2, 145, 1)  
}
```

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, 145, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 145, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 52, 78.257, 136.016 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, 145, 1) }
```

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

```
.border{ border-color:rgb(2, 145, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 145, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 145, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 145, 1); box-shadow:4px  
4px 4px 4px rgb(2, 145, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 52, 78.257, 136.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 145, 1) }
```

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

```
.background{ background-color: rgb(2, 145,  
1) }
```

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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