

Converting Colors

CIELCh(52, 78.172, 135.918)

Have a look what the booklet for
CIELCh(52, 78.172, 135.918)
contains.

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Color

CIELCh(52, 78.343, 135.938)

Conversions

Conversions Part 1

Format	Color
Hex	039100
RGB	3, 145, 0
RGB Percent	1%, 57%, 0%
CMY	0.9898, 0.4330, 0.9988
CMYK	0.98, 0.00, 1.00, 0.43
HSL	119°, 100%, 28%
HSV	119°, 100%, 57%
XYZ	10.0975, 20.1443, 3.3643
YIQ	86.0120, -38.0870, -75.1990

Conversions

Conversions Part 2

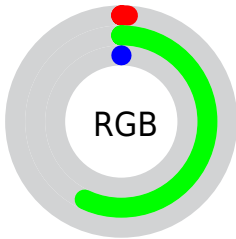
Format	Color
RYB	0, 145, 142
Decimal	233728
CIELab	52.00, -56.30, 54.48
CIELCh	52, 78.343, 135.938
Yxy	20.1443, 0.3005, 0.5994
Android (android.graphics.Color)	4278423808 (0xFF039100)
YUV	86.0120, -42.4039, -72.8015
Hunter-Lab	44.8824, -38.3860, 26.9734

Details

The CIELCh color **52, 78.343, 135.938** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **34, 75.738, 327.617**, 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, 78.398, 135.928**, and if you desaturate by 10%, it is **52, 75.595, 136.449**.

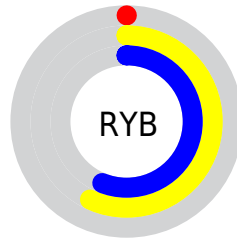
Distribution



Red (1%)

Green (57%)

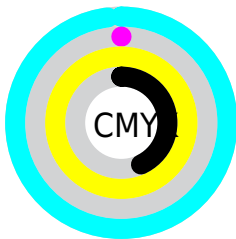
Blue (0%)



Red (0%)

Yellow (57%)

Blue (56%)

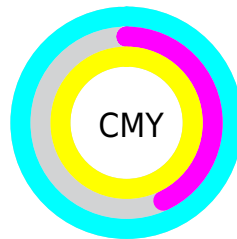


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (43%)



Cyan (99%)


Magenta (43%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 52, 78.343, 135.938 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, 78.343, 135.938 by changing the saturation by 10% instead.


 52, 78.343,
135.938

 52, 78.343,
135.938


 100, 78.343,
135.938


 42, 78.343,
135.938


 72, 78.343,
135.938

 32, 78.343,
135.938

 82, 78.343,
135.938

 22, 78.343,
135.938

 92, 78.343,
135.938

 12, 78.343,
135.938

 2, 78.343, 135.938

 0, 78.343, 135.938

■ 52, 78.343,
135.938

■ 52, 78.343,
135.938

■ 52, 78.398,
135.928

■ 52, 75.595,
136.449

■ 52, 71.295,
137.162

■ 53, 65.183,
138.111

■ 53, 57.621,
139.164

■ 54, 48.994,
140.212

■ 55, 39.641,
141.188

■ 56, 29.844,
142.062

■ 57, 19.828,

142.827

■ 59, 9.767, 143.492

Harmonies

Complementary

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



52, 78.343, 135.938



34, 75.738, 327.617

Rectangle

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



52, 78.343, 135.938



52, 78.343, 185.938



52, 78.343, 315.938



52, 78.343, 5.938

Sweetspot

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



52, 78.342, 135.939



72, 37.329, 141.993



57, 62.693, 101.826



37, 25.347, 141.675



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, 78.342, 135.939



67, 95.430, 135.952



52, 58.684, 148.848



29, 5.571, 143.531



49, 74.632, 135.920



2, 3.748, 144.022

Inverse Universe

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



34, 75.738, 327.617



44, 92.219, 327.605



31, 55.793, 359.487



28, 5.581, 324.476



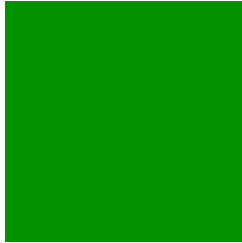
31, 72.151, 327.621



1, 3.748, 324.017

Previews

White Background



This preview shows how the CIELCh color 52, 78.343, 135.938 looks on a white background.

Color Contrast Check

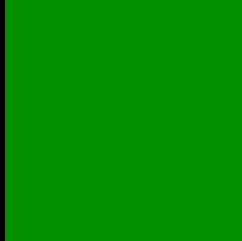
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.343, 135.938 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, 78.343, 135.938

Background



This preview shows how black text looks on a background with the CIELCh color 52, 78.343, 135.938.



This preview shows how white text looks on a background with the CIELCh color 52, 78.343, 135.938.

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, 78.529, 135.901

Protanopia
52, 57.312, 95.582

Deuteranopia
52, 50.200, 82.394



Tritanopia
52, 23.151, 213.531

Trichromacy



Original Color
52, 78.529, 135.901



Protanomaly
50, 62.571, 120.434



Deuteranomaly
49, 55.319, 116.363



Tritanomaly
51, 42.743, 157.018

Monochromacy



Original Color
52, 78.529, 135.901



Achromatopsia
37, 0.005, 296.813



Achromatomaly
41, 37.466, 140.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 52, 78.343, 135.938 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(3, 145, 0)` looks like.

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

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(3, 145, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 52, 78.343, 135.938 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(3, 145, 0) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to CIELCh 52, 78.343, 135.938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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