

Converting Colors

CIELCh(50, 79.378, 143.486)

Have a look what the booklet for
CIELCh(50, 79.378, 143.486)
contains.

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Color

CIELCh(51, 72.910, 138.316)

Conversions

Conversions Part 1

Format	Color
Hex	028D19
RGB	2, 141, 25
RGB Percent	1%, 55%, 10%
CMY	0.9939, 0.4452, 0.9036
CMYK	0.99, 0.00, 0.83, 0.45
HSL	130°, 98%, 28%
HSV	130°, 99%, 55%
XYZ	9.7854, 19.2686, 4.0991
YIQ	86.2150, -45.6080, -65.5440

Conversions

Conversions Part 2

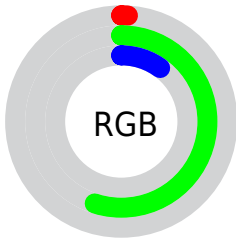
Format	Color
R_YB	2, 121, 141
Decimal	167193
CIE Lab	51.00, -54.45, 48.49
CIE LCh	51, 72.910, 138.316
Yxy	19.2686, 0.2952, 0.5812
Android (android.graphics.Color)	4278357273 (0xFF028D19)
YUV	86.2150, -30.1790, -73.8566
Hunter-Lab	43.8960, -37.0263, 25.1906

Details

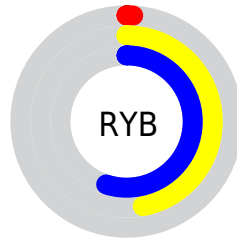
The CIELCh color **51, 72.910, 138.316** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **32, 65.566, 335.794**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **71, 72.666, 138.234**, and **32, 55.577, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 73.290, 138.201**, and if you desaturate by 10%, it is **51, 68.925, 139.664**.

Distribution



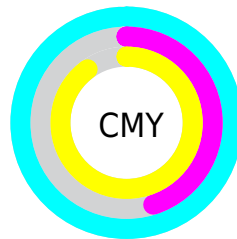
- Red (1%)
- Green (55%)
- Blue (10%)



- Red (1%)
- Yellow (47%)
- Blue (55%)



- Cyan (99%)
- Magenta (0%)
- Yellow (83%)
- Black (45%)





- Cyan (99%)
- Magenta (45%)
- Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 72.910, 138.316 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 51, 72.910, 138.316 by changing the saturation by 10% instead.


 51, 72.910,
138.316


 51, 72.910,
138.316


 100, 72.910,
138.316


 41, 72.910,
138.316


 71, 72.910,
138.316

 31, 72.910,
138.316

 81, 72.910,
138.316

 21, 72.910,
138.316

 91, 72.910,
138.316

 11, 72.910,
138.316

 1, 72.910, 138.316

 0, 72.910, 138.316

■ 51, 72.910,
138.316

■ 51, 72.910,
138.316

■ 51, 73.290,
138.201

■ 51, 68.925,
139.664

■ 51, 63.770,
141.165

■ 52, 57.519,
142.634

■ 52, 50.365,
144.002

■ 53, 42.511,
145.234

■ 54, 34.156,
146.320

■ 55, 25.486,
147.266

■ 56, 16.660,

148.086

■ 58, 7.810, 148.805

Harmonies

Complementary

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



51, 72.910, 138.316



32, 65.566, 335.794

Rectangle

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



51, 72.910, 138.316



51, 72.910, 188.316



51, 72.910, 318.316



51, 72.910, 8.316

Sweetspot

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



51, 72.910, 138.317



70, 32.710, 147.111



55, 63.155, 111.679



36, 22.209, 146.769



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



51, 72.910, 138.317



65, 89.471, 137.878



52, 47.741, 158.849



30, 4.992, 148.786



49, 70.780, 138.269



2, 3.359, 149.323

Inverse Universe

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



32, 65.566, 335.794



42, 79.420, 336.070



29, 54.849, 14.678



28, 5.005, 329.829



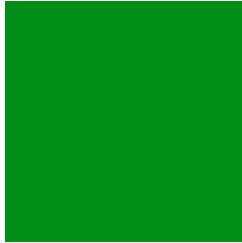
30, 63.616, 335.840



1, 3.360, 329.318

Previews

White Background



This preview shows how the CIELCh color 51, 72.910, 138.316 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 51, 72.910, 138.316 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 51, 72.910, 138.316

Background



This preview shows how black text looks on a background with the CIELCh color 51, 72.910, 138.316.



This preview shows how white text looks on a background with the CIELCh color 51, 72.910, 138.316.

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
51, 72.576, 138.375

Protanopia
51, 52.306, 95.390

Deuteranopia
51, 46.301, 82.245



Tritanopia
51, 23.073, 212.079

Trichromacy



Original Color
51, 72.576, 138.375



Protanomaly
49, 57.265, 122.118



Deuteranomaly
49, 50.495, 118.605



Tritanomaly
50, 38.529, 162.710

Monochromacy



Original Color
51, 72.576, 138.375



Achromatopsia
37, 0.005, 296.813



Achromatomaly
40, 32.807, 145.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 72.910, 138.316 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, 141, 25)` looks like.

```
.text, #text, p{  
    color:rgb(2, 141, 25)  
}
```

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, 141, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 141, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 72.910, 138.316 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, 141, 25) }
```

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

```
.border{ border-color:rgb(2, 141, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 141, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 141, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 141, 25);  
box-shadow:4px 4px 4px 4px rgb(2, 141, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 72.910, 138.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 141, 25) }
```

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

```
.background{ background-color: rgb(2, 141,  
25) }
```

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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