

Converting Colors

CIELCh(51, 73.854, 137.661)

Have a look what the booklet for
CIELCh(51, 73.854, 137.661)
contains.

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Color

CIELCh(51, 73.691, 137.671)

Conversions

Conversions Part 1

Format	Color
Hex	058D15
RGB	5, 141, 21
RGB Percent	2%, 55%, 8%
CMY	0.9822, 0.4452, 0.9192
CMYK	0.97, 0.00, 0.85, 0.45
HSL	127°, 94%, 29%
HSV	127°, 97%, 55%
XYZ	9.7819, 19.2686, 3.8942
YIQ	86.6560, -42.5360, -66.1520

Conversions

Conversions Part 2

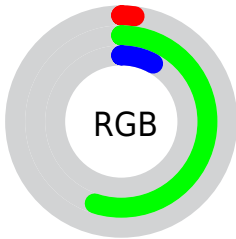
Format	Color
RYB	5, 127, 141
Decimal	363797
CIELab	51.00, -54.48, 49.62
CIELCh	51, 73.691, 137.671
Yxy	19.2686, 0.2969, 0.5849
Android (android.graphics.Color)	4278553877 (0xFF058D15)
YUV	86.6560, -32.3684, -71.6123
Hunter-Lab	43.8960, -37.0406, 25.4673

Details

The CIELCh color **51, 73.691, 137.671** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **32, 67.577, 333.236**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **71, 73.414, 137.841**, and **32, 55.577, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **51, 74.707, 137.399**, and if you desaturate by 10%, it is **51, 69.743, 138.874**.

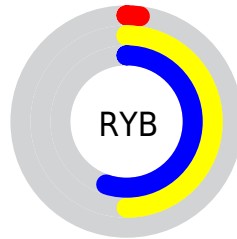
Distribution



Red (2%)

Green (55%)

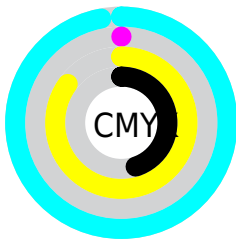
Blue (8%)



Red (2%)

Yellow (50%)

Blue (55%)

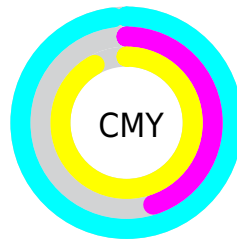


Cyan (97%)

Magenta (0%)

Yellow (85%)

Black (45%)



Cyan (98%)


Magenta (45%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 73.691, 137.671 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, 73.691, 137.671 by changing the saturation by 10% instead.


 51, 73.691,
137.671


 51, 73.691,
137.671


 100, 73.691,
137.671


 41, 73.691,
137.671


 71, 73.691,
137.671

 31, 73.691,
137.671

 81, 73.691,
137.671

 21, 73.691,
137.671

 91, 73.691,
137.671

 11, 73.691,
137.671

 1, 73.691, 137.671

 0, 73.691, 137.671

■ 51, 73.691,
137.671

■ 51, 73.691,
137.671

■ 51, 74.707,
137.399

■ 51, 69.743,
138.874

■ 51, 64.415,
140.230

■ 52, 57.883,
141.591

■ 53, 50.387,
142.878

■ 53, 42.170,
144.045

■ 54, 33.455,
145.078

■ 55, 24.441,
145.978

■ 56, 15.294,

146.757

■ 58, 6.149, 147.444

Harmonies

Complementary

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



51, 73.691, 137.671



32, 67.577, 333.236

Rectangle

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



51, 73.691, 137.671



51, 73.691, 187.671



51, 73.691, 317.671



51, 73.691, 7.671

Sweetspot

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



51, 73.691, 137.672



70, 32.717, 145.737



56, 62.304, 109.743



36, 22.344, 145.400



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, 73.691, 137.672



65, 91.080, 137.136



52, 49.028, 157.018



30, 5.162, 147.284



49, 72.172, 137.455



2, 3.474, 147.808

Inverse Universe

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



32, 67.577, 333.236



42, 82.363, 333.532



30, 53.923, 10.631



28, 5.174, 328.298



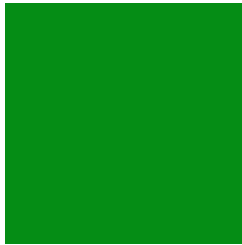
31, 65.917, 333.383



1, 3.474, 327.803

Previews

White Background



This preview shows how the CIELCh color 51, 73.691, 137.671 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, 73.691, 137.671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

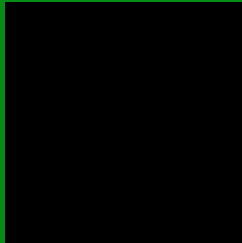
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 73.691, 137.671

Background



This preview shows how black text looks on a background with the CIELCh color 51, 73.691, 137.671.



This preview shows how white text looks on a background with the CIELCh color 51, 73.691, 137.671.

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, 73.385, 137.712

Protanopia
51, 53.559, 95.407

Deuteranopia
51, 47.324, 81.968



Tritanopia
51, 23.073, 212.079

Trichromacy



Original Color
51, 73.385, 137.712



Protanomaly
49, 58.362, 121.217



Deuteranomaly
49, 51.461, 117.715



Tritanomaly
50, 38.775, 161.924

Monochromacy



Original Color
51, 73.385, 137.712



Achromatopsia
37, 0.005, 296.813



Achromatomaly
41, 33.485, 144.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 73.691, 137.671 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(5, 141, 21)` looks like.

```
.text, #text, p{  
    color:rgb(5, 141, 21)  
}
```

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(5, 141, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 141, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 73.691, 137.671 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(5, 141, 21) }
```

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

```
.border{ border-color:rgb(5, 141, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 141, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 141, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 141, 21);  
box-shadow:4px 4px 4px 4px rgb(5, 141, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 51, 73.691, 137.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 141, 21) }
```

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

```
.background{ background-color: rgb(5, 141,  
21) }
```

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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