

Converting Colors

CIELCh(50, 77.527, 141.142)

Have a look what the booklet for
CIELCh(50, 77.527, 141.142)
contains.

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Color

CIELCh(50, 73.395, 137.822)

Conversions

Conversions Part 1

Format	Color
Hex	008B12
RGB	0, 139, 18
RGB Percent	0%, 55%, 7%
CMY	1.0000, 0.4558, 0.9280
CMYK	1.00, 0.00, 0.87, 0.46
HSL	128°, 100%, 27%
HSV	128°, 100%, 54%
XYZ	9.2627, 18.4187, 3.6544
YIQ	83.6450, -44.0030, -67.0990

Conversions

Conversions Part 2

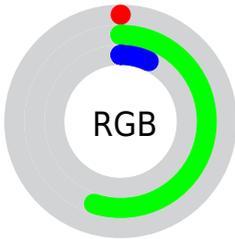
Format	Color
RYB	0, 123, 139
Decimal	35602
CIELab	50.00, -54.39, 49.28
CIELCh	50, 73.395, 137.822
Yxy	18.4187, 0.2956, 0.5878
Android (android.graphics.Color)	4278225682 (0xFF008B12)
YUV	83.6450, -32.3630, -73.3567
Hunter-Lab	42.9170, -36.5795, 24.9933

Details

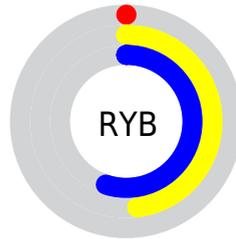
The CIELCh color **50, 73.395, 137.822** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **31, 66.424, 334.150**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **70, 73.283, 137.628**, and **31, 54.713, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **50, 73.217, 137.656**, and if you desaturate by 10%, it is **50, 69.584, 138.791**.

Distribution



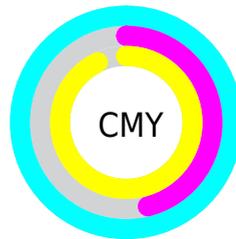
- Red (0%)
- Green (55%)
- Blue (7%)



- Red (0%)
- Yellow (48%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 73.395, 137.822 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 50, 73.395, 137.822 by changing the saturation by 10% instead.

 50, 73.395,
137.822

 50, 73.395,
137.822

 100, 73.395,
137.822

 40, 73.395,
137.822

 70, 73.395,
137.822

 30, 73.395,
137.822

 80, 73.395,
137.822

 20, 73.395,
137.822

 90, 73.395,
137.822

 10, 73.395,
137.822

 0, 73.395, 137.822

 50, 73.395,
137.822

 50, 73.395,
137.822

■ 50, 73.217,
137.656

■ 50, 69.584,
138.791

■ 50, 64.698,
140.178

■ 51, 58.612,
141.581

■ 51, 51.544,
142.916

■ 52, 43.720,
144.134

■ 53, 35.355,
145.215

■ 54, 26.646,
146.160

■ 55, 17.763,
146.980

■ 56, 8.843, 147.694

Harmonies

Complementary

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



50, 73.395, 137.822



31, 66.424, 334.150

Rectangle

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



50, 73.395, 137.822



50, 73.395, 187.822



50, 73.395, 317.822



50, 73.395, 7.822

Sweetspot

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



50, 73.217, 137.656



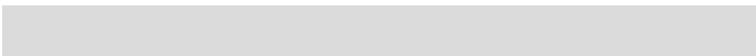
69, 33.101, 146.102



55, 62.199, 109.793



36, 22.731, 145.762



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



50, 73.217, 137.656



64, 89.651, 137.361



51, 49.238, 156.423



28, 4.955, 147.752



48, 70.737, 137.717



1, 2.292, 148.276

Inverse Universe

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



31, 66.424, 334.150



42, 80.582, 334.299



29, 53.964, 11.920



27, 4.967, 328.767



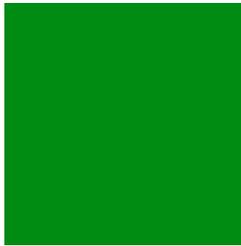
30, 64.296, 334.121



0, 2.292, 328.270

Previews

White Background



This preview shows how the CIELCh color 50, 73.395, 137.822 looks on a white background.

Color Contrast Check

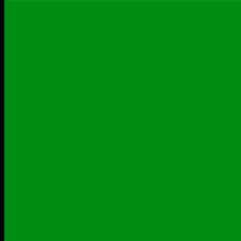
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 73.395, 137.822 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 50, 73.395, 137.822

Background



This preview shows how black text looks on a background with the CIELCh color 50, 73.395, 137.822.



This preview shows how white text looks on a background with the CIELCh color 50, 73.395, 137.822.

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
50, 73.387, 137.609

Protanopia
50, 53.288, 95.295

Deuteranopia
50, 46.737, 82.225



Tritanopia
50, 22.634, 214.029

Trichromacy



Original Color
50, 73.387, 137.609



Protanomaly
48, 58.282, 121.666



Deuteranomaly
48, 50.659, 117.987



Tritanomaly
50, 38.745, 161.760

Monochromacy



Original Color
50, 73.387, 137.609



Achromatopsia
36, 0.005, 296.813



Achromatomaly
40, 33.827, 144.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 73.395, 137.822 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, 139, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 18)  
}
```

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, 139, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 73.395, 137.822 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, 139, 18) }
```

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

```
.border{ border-color:rgb(0, 139, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 139, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 50, 73.395, 137.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 18) }
```

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

```
.background{ background-color: rgb(0, 139,  
18) }
```

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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