

Converting Colors

CIELCh(74, 90.474, 137.757)

Have a look what the booklet for
CIELCh(74, 90.474, 137.757)
contains.

CIELCh(74, 90.512, 137.767)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(74, 90.512, 137.767)

Conversions

Conversions Part 1

Format	Color
Hex	38D138
RGB	56, 209, 56
RGB Percent	22%, 82%, 22%
CMY	0.7806, 0.1805, 0.7805
CMYK	0.73, 0.00, 0.73, 0.18
HSL	120°, 62%, 52%
HSV	120°, 73%, 82%
XYZ	25.1302, 46.7039, 11.4259
YIQ	145.8110, -42.0750, -80.0190

Conversions

Conversions Part 2

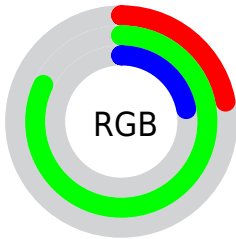
Format	Color
RYB	56, 209, 209
Decimal	3723576
CIELab	74.00, -67.02, 60.84
CIELCh	74, 90.512, 137.767
Yxy	46.7039, 0.3018, 0.5609
Android (android.graphics.Color)	4281913656 (0xFF38D138)
YUV	145.8110, -44.2768, -78.7642
Hunter-Lab	68.3403, -53.9572, 37.9255

Details

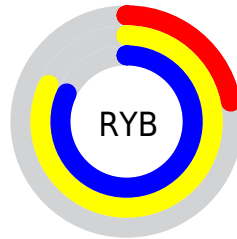
The CIELCh color **74, 90.512, 137.767** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **53, 88.690, 327.862**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 84.231, 137.736**, and **55, 81.803, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **74, 97.372, 136.850**, and if you desaturate by 10%, it is **75, 81.324, 138.864**.

Distribution



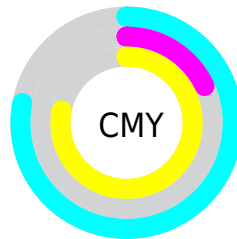
- Red (22%)
- Green (82%)
- Blue (22%)



- Red (22%)
- Yellow (82%)
- Blue (82%)



- Cyan (73%)
- Magenta (0%)
- Yellow (73%)
- Black (18%)





- Cyan (78%)
- Magenta (18%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 90.512, 137.767 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 74, 90.512, 137.767 by changing the saturation by 10% instead.


 74, 90.512,
137.767


 74, 90.512,
137.767


 100, 90.512,
137.767


 64, 90.512,
137.767


 94, 90.512,
137.767

 54, 90.512,
137.767

 44, 90.512,
137.767

 34, 90.512,
137.767

 24, 90.512,
137.767

 14, 90.512,
137.767

 4, 90.512, 137.767

0, 90.512, 137.767

74, 90.512,
137.767

74, 90.512,
137.767

74, 97.372,
136.850

75, 81.324,
138.864

73, 101.511,
136.252

75, 70.352,
140.002

73, 103.076,
136.017

77, 58.122,
141.084

78, 45.080,
142.061

79, 31.591,
142.917

81, 17.940,
143.657

■ 83, 4.343, 144.326

■ 85, 9.047, 324.762

■ 88, 22.126,
325.224

Harmonies

Complementary

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



74, 90.512, 137.767



53, 88.690, 327.862

Rectangle

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



74, 90.512, 137.767



74, 90.512, 187.767



74, 90.512, 317.767



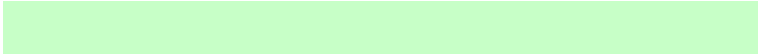
74, 90.512, 7.767

Sweetspot

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



74, 90.512, 137.768



95, 35.164, 142.995



82, 72.815, 103.738



50, 23.628, 142.775



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 90.512, 137.768



88, 116.326, 136.459



75, 62.709, 154.601



43, 7.681, 143.913



60, 87.742, 136.017



13, 30.536, 142.081

Inverse Universe

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



53, 88.690, 327.862



61, 112.715, 328.153



50, 65.289, 353.458



41, 7.692, 324.939



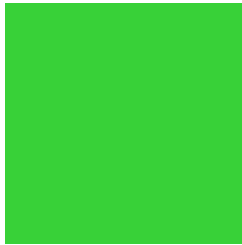
40, 84.651, 328.238



6, 31.110, 327.828

Previews

White Background



This preview shows how the CIELCh color 74, 90.512, 137.767 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 74, 90.512, 137.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

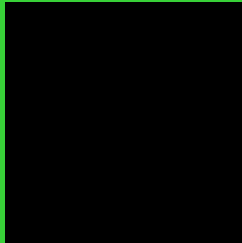
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 74, 90.512, 137.767

Background



This preview shows how black text looks on a background with the CIELCh color 74, 90.512, 137.767.



This preview shows how white text looks on a background with the CIELCh color 74, 90.512, 137.767.

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

74, 90.512, 137.767

Protanopia

73, 65.589, 95.566

Deuteranopia

73, 58.301, 80.728



Tritanopia
74, 28.936, 215.076

Trichromacy



Original Color
74, 90.512, 137.767



Protanomaly
72, 70.104, 118.508



Deuteranomaly
71, 61.185, 113.236



Tritanomaly
73, 45.302, 163.557

Monochromacy



Original Color
74, 90.512, 137.767



Achromatopsia
61, 0.008, 296.813



Achromatomaly
64, 37.836, 142.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 90.512, 137.767 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(56, 209, 56)` looks like.

```
.text, #text, p{  
    color:rgb(56, 209, 56)  
}
```

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(56, 209, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 209, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 90.512, 137.767 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(56, 209, 56) }
```

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

```
.border{ border-color:rgb(56, 209, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 209, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 209, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 209, 56);  
box-shadow:4px 4px 4px 4px rgb(56, 209,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 90.512, 137.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 209, 56) }
```

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

```
.background{ background-color: rgb(56, 209,  
56) }
```

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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