

Converting Colors

CIELCh(75, 51.587, 137.647)

Have a look what the booklet for
CIELCh(75, 51.587, 137.647)
contains.

CIELCh(75, 52.002, 137.656)	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(75, 52.002, 137.656)

Conversions

Conversions Part 1

Format	Color
Hex	83CA76
RGB	131, 202, 118
RGB Percent	51%, 79%, 46%
CMY	0.4869, 0.2085, 0.5379
CMYK	0.35, 0.00, 0.42, 0.21
HSL	111°, 44%, 63%
HSV	111°, 42%, 79%
XYZ	33.6763, 48.2781, 24.6349
YIQ	171.1950, -15.3520, -41.1760

Conversions

Conversions Part 2

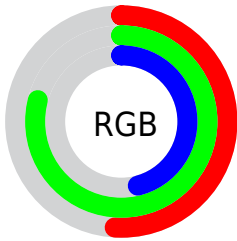
Format	Color
RYB	118, 202, 189
Decimal	8637046
CIELab	75.00, -38.44, 35.03
CIELCh	75, 52.002, 137.656
Yxy	48.2781, 0.3159, 0.4529
Android (android.graphics.Color)	4286827126 (0xFF83CA76)
YUV	171.1950, -26.2251, -35.2510
Hunter-Lab	69.4824, -35.0802, 27.6166

Details

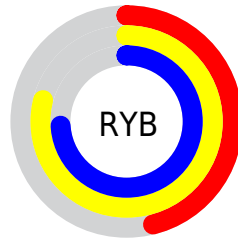
The CIELCh color **75, 52.002, 137.656** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **60, 52.641, 322.010**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 49.649, 137.606**, and **55, 51.778, 137.769** is the 20% darker color. If you saturate the color by 10%, you get **74, 63.725, 136.903**, and if you desaturate by 10%, it is **76, 39.731, 138.370**.

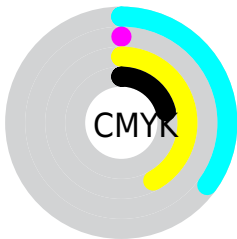
Distribution



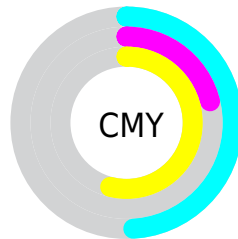
- Red (51%)
- Green (79%)
- Blue (46%)



- Red (46%)
- Yellow (79%)
- Blue (74%)



- Cyan (35%)
- Magenta (0%)
- Yellow (42%)
- Black (21%)





- Cyan (49%)
- Magenta (21%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 52.002, 137.656 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 75, 52.002, 137.656 by changing the saturation by 10% instead.


 75, 52.002,
137.656


 75, 52.002,
137.656


 100, 52.002,
137.656


 65, 52.002,
137.656


 95, 52.002,
137.656

 55, 52.002,
137.656

 45, 52.002,
137.656

 35, 52.002,
137.656

 25, 52.002,
137.656

 15, 52.002,
137.656

 5, 52.002, 137.656

0, 52.002, 137.656

75, 52.002,
137.656

75, 52.002,
137.656

74, 63.725,
136.903

76, 39.731,
138.370

73, 74.537,
136.162

78, 27.180,
139.018

72, 83.979,
135.521

79, 14.554,
139.595

72, 91.514,
135.106

81, 2.000, 140.187

71, 96.671,
135.037

83, 10.376,
320.481

71, 99.293,
135.176

85, 22.502,
320.858

■ 87, 32.511,
323.051

■ 87, 33.344,
325.584

Harmonies

Complementary

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



75, 52.002, 137.656



60, 52.641, 322.010

Rectangle

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



75, 52.002, 137.656



75, 52.002, 187.656



75, 52.002, 317.656



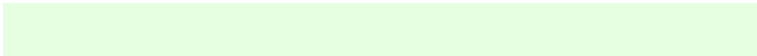
75, 52.002, 7.656

Sweetspot

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



75, 52.003, 137.657



97, 18.189, 139.565



76, 37.485, 97.586



52, 12.072, 139.492



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 52.003, 137.657



91, 74.744, 136.973



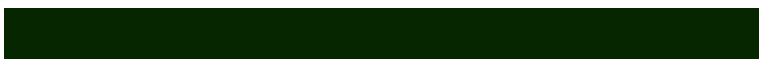
75, 42.812, 151.918



42, 7.162, 139.715



59, 85.650, 135.066



12, 27.405, 139.814

Inverse Universe

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



60, 52.641, 322.010



70, 75.689, 322.345



60, 43.463, 338.951



40, 7.195, 320.560



35, 84.771, 322.372



4, 27.451, 321.349

Previews

White Background



This preview shows how the CIELCh color 75, 52.002, 137.656 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 75, 52.002, 137.656 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 75, 52.002, 137.656

Background



This preview shows how black text looks on a background with the CIELCh color 75, 52.002, 137.656.



This preview shows how white text looks on a background with the CIELCh color 75, 52.002, 137.656.

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

75, 52.002, 137.656

Protanopia

75, 39.360, 95.824

Deuteranopia

75, 33.969, 74.090



Tritanopia
75, 16.717, 229.800

Trichromacy



Original Color
75, 52.002, 137.656

Protanomaly
74, 40.972, 115.034

Deuteranomaly
74, 33.505, 104.791

Tritanomaly
75, 22.241, 168.598

Monochromacy



Original Color
75, 52.002, 137.656

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 19.161, 139.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 52.002, 137.656 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(131, 202, 118)` looks like.

```
.text, #text, p{  
    color:rgb(131, 202, 118)  
}
```

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(131, 202, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 202, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 52.002, 137.656 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(131, 202, 118) }
```

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

```
.border{ border-color:rgb(131, 202, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 202, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 202, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 202, 118);  
box-shadow:4px 4px 4px 4px rgb(131, 202,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 52.002, 137.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 202, 118) }
```

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

```
.background{ background-color: rgb(131,  
202, 118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor