

Converting Colors

CIELCh(75, 45.333, 141.266)

Have a look what the booklet for
CIELCh(75, 45.333, 141.266)
contains.

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Color

CIELCh(75, 45.333, 141.266)

Conversions

Conversions Part 1

Format	Color
Hex	85C983
RGB	133, 201, 131
RGB Percent	52%, 79%, 51%
CMY	0.4792, 0.2126, 0.4870
CMYK	0.34, 0.00, 0.35, 0.21
HSL	118°, 39%, 65%
HSV	118°, 35%, 79%
XYZ	34.5614, 48.2781, 28.9000
YIQ	172.6880, -18.0580, -36.1860

Conversions

Conversions Part 2

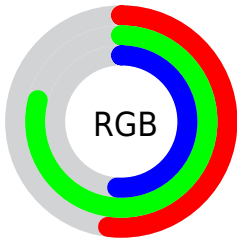
Format	Color
RYB	131, 201, 199
Decimal	8767875
CIELab	75.00, -35.36, 28.37
CIELCh	75, 45.333, 141.266
Yxy	48.2781, 0.3093, 0.4321
Android (android.graphics.Color)	4286957955 (0xFF85C983)
YUV	172.6880, -20.5522, -34.8064
Hunter-Lab	69.4824, -32.8063, 23.9771

Details

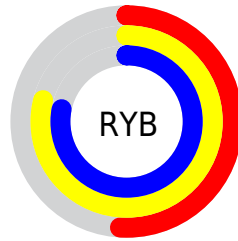
The CIELCh color **75, 45.333, 141.266** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **64, 45.378, 325.486**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 43.264, 141.510**, and **55, 44.891, 141.386** is the 20% darker color. If you saturate the color by 10%, you get **74, 57.791, 140.328**, and if you desaturate by 10%, it is **76, 32.426, 142.098**.

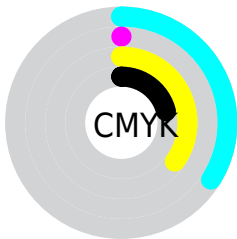
Distribution



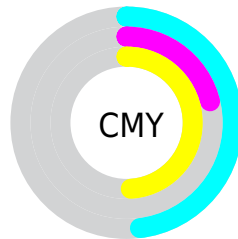
- Red (52%)
- Green (79%)
- Blue (51%)



- Red (51%)
- Yellow (79%)
- Blue (78%)



- Cyan (34%)
- Magenta (0%)
- Yellow (35%)
- Black (21%)





- Cyan (48%)
- Magenta (21%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 45.333, 141.266 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, 45.333, 141.266 by changing the saturation by 10% instead.


 75, 45.333,
141.266


 75, 45.333,
141.266


 100, 45.333,
141.266


 65, 45.333,
141.266


 95, 45.333,
141.266

 55, 45.333,
141.266

 45, 45.333,
141.266

 35, 45.333,
141.266

 25, 45.333,
141.266

 15, 45.333,
141.266

 5, 45.333, 141.266

■ 0, 45.333, 141.266

■ 75, 45.333,
141.266

■ 75, 45.333,
141.266

■ 74, 57.791,
140.328

■ 76, 32.426,
142.098

■ 73, 69.445,
139.305

■ 78, 19.339,
142.820

■ 72, 79.864,
138.254

■ 80, 6.277, 143.460

■ 71, 88.537,
137.276

■ 82, 6.609, 323.902

■ 71, 94.936,
136.510

■ 84, 19.220,
324.367

■ 71, 98.708,
136.079

■ 86, 31.489,
324.745

■ 87, 33.998,

■ 71, 99.900,
135.910

325.607

Harmonies

Complementary

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



75, 45.333, 141.266



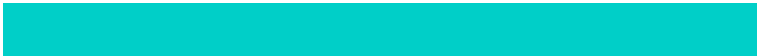
64, 45.378, 325.486

Rectangle

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



75, 45.333, 141.266



75, 45.333, 191.266



75, 45.333, 321.266



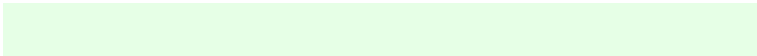
75, 45.333, 11.266

Sweetspot

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



75, 45.334, 141.266



98, 15.764, 143.127



79, 35.494, 105.360



52, 10.765, 143.036



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, 45.334, 141.266



92, 65.879, 140.549



76, 32.308, 158.642



41, 7.303, 143.176



58, 85.614, 135.879



11, 26.386, 143.055

Inverse Universe

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



64, 45.378, 325.486



75, 65.853, 325.853



63, 33.463, 345.095



39, 7.317, 324.156



38, 82.867, 327.123



4, 26.421, 325.890

Previews

White Background



This preview shows how the CIELCh color 75, 45.333, 141.266 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 CIE LCh color 75, 45.333, 141.266 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, 45.333, 141.266

Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.333, 141.266.

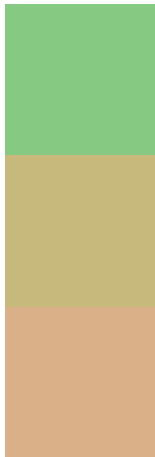


This preview shows how white text looks on a background with the CIELCh color 75, 45.333, 141.266.

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, 45.333, 141.266

Protanopia
75, 32.602, 95.980

Deuteranopia
75, 27.771, 70.126



Tritanopia
75, 16.717, 229.800

Trichromacy



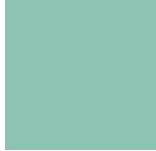
Original Color
75, 45.333, 141.266



Protanomaly
74, 34.456, 117.156



Deuteranomaly
74, 27.235, 106.680

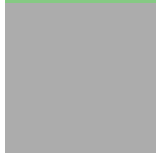


Tritanomaly
75, 20.798, 173.200

Monochromacy



Original Color
75, 45.333, 141.266



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 16.436, 142.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 45.333, 141.266 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(133, 201, 131)` looks like.

```
.text, #text, p{  
    color:rgb(133, 201, 131)  
}
```

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(133, 201, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 201, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 45.333, 141.266 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(133, 201, 131) }
```

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

```
.border{ border-color:rgb(133, 201, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 201, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 201, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 201, 131); box-shadow:4px 4px 4px 4px rgb(133, 201, 131) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 45.333, 141.266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 201, 131) }
```

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

```
.background{ background-color: rgb(133,  
201, 131) }
```

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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