

Converting Colors

CIELCh(75, 45.224, 142.669)

Have a look what the booklet for
CIELCh(75, 45.224, 142.669)
contains.

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Color

CIELCh(75, 45.080, 142.987)

Conversions

Conversions Part 1

Format	Color
Hex	82C985
RGB	130, 201, 133
RGB Percent	51%, 79%, 52%
CMY	0.4898, 0.2113, 0.4780
CMYK	0.35, 0.00, 0.34, 0.21
HSL	123°, 40%, 65%
HSV	123°, 35%, 79%
XYZ	34.3775, 48.2781, 29.7357
YIQ	172.0190, -20.4880, -36.2000

Conversions

Conversions Part 2

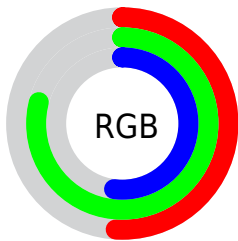
Format	Color
RYB	130, 198, 201
Decimal	8571269
CIELab	75.00, -36.00, 27.14
CIELCh	75, 45.080, 142.987
Yxy	48.2781, 0.3059, 0.4296
Android (android.graphics.Color)	4286761349 (0xFF82C985)
YUV	172.0190, -19.2364, -36.8507
Hunter-Lab	69.4824, -33.2786, 23.2640

Details

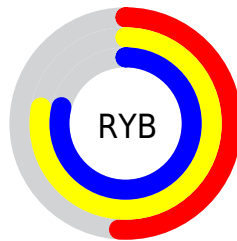
The CIELCh color $75, 45.080, 142.987$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $64, 45.044, 327.538$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 43.026, 143.295$, and $55, 44.607, 143.104$ is the 20% darker color. If you saturate the color by 10%, you get $74, 57.289, 141.968$, and if you desaturate by 10%, it is $76, 32.420, 143.878$.

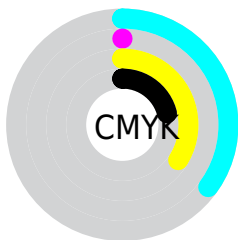
Distribution



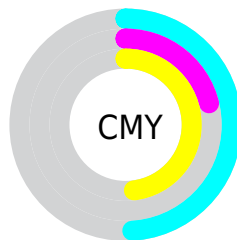
- Red (51%)
- Green (79%)
- Blue (52%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 45.080, 142.987 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, 45.080, 142.987 by changing the saturation by 10% instead.


 75, 45.080,
142.987


 75, 45.080,
142.987


 100, 45.080,
142.987


 65, 45.080,
142.987


 95, 45.080,
142.987

 55, 45.080,
142.987

 45, 45.080,
142.987

 35, 45.080,
142.987

 25, 45.080,
142.987

 15, 45.080,
142.987

 5, 45.080, 142.987

■ 0, 45.080, 142.987

■ 75, 45.080,
142.987

■ 75, 45.080,
142.987

■ 74, 57.289,
141.968

■ 76, 32.420,
143.878

■ 73, 68.711,
140.833

■ 78, 19.571,
144.647

■ 72, 78.956,
139.621

■ 80, 6.739, 145.324

■ 71, 87.579,
138.415

■ 82, 5.924, 325.791

■ 71, 94.126,
137.338

■ 84, 18.314,
326.292

■ 71, 98.256,
136.531

■ 87, 30.365,
326.697

■ 87, 33.793,

■ 71, 99.421,
136.323

325.600

Harmonies

Complementary

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



75, 45.080, 142.987



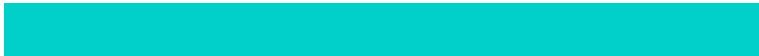
64, 45.044, 327.538

Rectangle

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



75, 45.080, 142.987



75, 45.080, 192.987



75, 45.080, 322.987



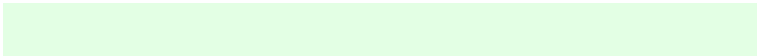
75, 45.080, 12.987

Sweetspot

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



75, 45.081, 142.987



97, 17.017, 144.935



79, 37.121, 108.282



52, 11.443, 144.842



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, 45.081, 142.987



92, 64.610, 142.258



76, 31.042, 162.052



41, 7.162, 145.055



58, 84.952, 136.413



11, 26.065, 144.311

Inverse Universe

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



64, 45.044, 327.538



76, 64.426, 327.921



63, 32.654, 349.014



39, 7.174, 326.087



38, 80.092, 329.967



4, 25.795, 328.426

Previews

White Background



This preview shows how the CIELCh color 75, 45.080, 142.987 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, 45.080, 142.987 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, 45.080, 142.987

Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.080, 142.987.

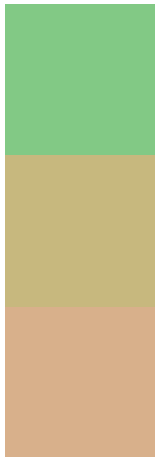


This preview shows how white text looks on a background with the CIELCh color 75, 45.080, 142.987.

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

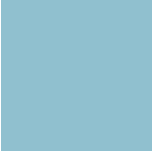
75, 45.080, 142.987

Protanopia

75, 31.577, 95.749

Deuteranopia

75, 26.181, 68.954



Tritanopia
75, 17.549, 226.037

Trichromacy



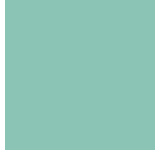
Original Color
75, 45.080, 142.987



Protanomaly
74, 33.017, 118.413



Deuteranomaly
74, 25.656, 107.692

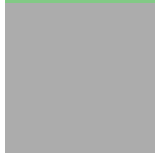


Tritanomaly
75, 21.416, 175.455

Monochromacy



Original Color
75, 45.080, 142.987



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 16.857, 144.628

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 45.080, 142.987 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(130, 201, 133)` looks like.

```
.text, #text, p{  
    color:rgb(130, 201, 133)  
}
```

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(130, 201, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 201, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 45.080, 142.987 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(130, 201, 133) }
```

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

```
.border{ border-color:rgb(130, 201, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 201, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 201, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 201, 133);  
box-shadow:4px 4px 4px 4px rgb(130, 201,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 45.080, 142.987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 201, 133) }
```

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

```
.background{ background-color: rgb(130,  
201, 133) }
```

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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