

Converting Colors

CIELCh(75, 42.269, 166.427)

Have a look what the booklet for
CIELCh(75, 42.269, 166.427)
contains.

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Color

CIELCh(75, 42.228, 166.423)

Conversions

Conversions Part 1

Format	Color
Hex	5DCCA5
RGB	93, 204, 165
RGB Percent	36%, 80%, 65%
CMY	0.6349, 0.1996, 0.3526
CMYK	0.54, 0.00, 0.19, 0.20
HSL	159°, 52%, 58%
HSV	159°, 54%, 80%
XYZ	32.9357, 48.2781, 43.2191
YIQ	166.3650, -53.6370, -35.6610

Conversions

Conversions Part 2

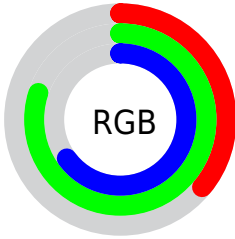
Format	Color
RYB	93, 160, 204
Decimal	6147237
CIELab	75.00, -41.05, 9.91
CIELCh	75, 42.228, 166.423
Yxy	48.2781, 0.2647, 0.3880
Android (android.graphics.Color)	4284337317 (0xFF5DCCA5)
YUV	166.3650, -0.6729, -64.3411
Hunter-Lab	69.4824, -36.9825, 11.7585

Details

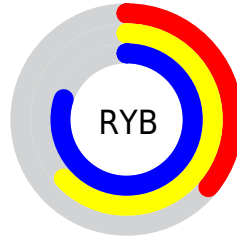
The CIELCh color **75, 42.228, 166.423** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 47.999, 359.819**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.758, 169.176**, and **55, 42.299, 166.342** is the 20% darker color. If you saturate the color by 10%, you get **74, 48.373, 164.880**, and if you desaturate by 10%, it is **76, 35.386, 167.800**.

Distribution



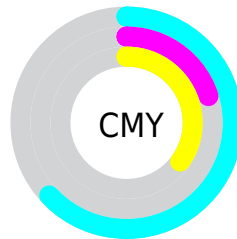
- Red (36%)
- Green (80%)
- Blue (65%)



- Red (36%)
- Yellow (63%)
- Blue (80%)



- Cyan (54%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)





- Cyan (63%)
- Magenta (20%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 42.228, 166.423 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, 42.228, 166.423 by changing the saturation by 10% instead.


 75, 42.228,
166.423


 75, 42.228,
166.423


 100, 42.228,
166.423


 65, 42.228,
166.423


 95, 42.228,
166.423

 55, 42.228,
166.423

 45, 42.228,
166.423

 35, 42.228,
166.423

 25, 42.228,
166.423

 15, 42.228,
166.423

 5, 42.228, 166.423

■ 0, 42.228, 166.423

■ 75, 42.228,
166.423

■ 75, 42.228,
166.423

■ 74, 48.373,
164.880

■ 76, 35.386,
167.800

■ 74, 53.725,
163.149

■ 77, 27.971,
169.039

■ 73, 58.246,
161.214

■ 78, 20.124,
170.164

■ 73, 61.970,
159.075

■ 80, 11.981,
171.202

■ 73, 63.839,
157.843

■ 81, 3.667, 172.231

■ 83, 4.714, 352.880

■ 85, 13.077,

353.761

■ 87, 20.906,
353.871

■ 87, 22.689,
345.315

Harmonies

Complementary

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



75, 42.228, 166.423



54, 47.999, 359.819

Rectangle

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



75, 42.228, 166.423



75, 42.228, 216.423



75, 42.228, 346.423



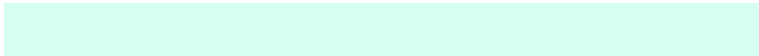
75, 42.228, 36.423

Sweetspot

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



75, 42.229, 166.422



97, 15.945, 171.018



75, 63.349, 131.009



51, 10.747, 170.805



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, 42.229, 166.422



91, 58.197, 164.639



72, 29.033, 213.691



42, 4.736, 171.701



60, 54.348, 158.208



12, 18.493, 163.764

Inverse Universe

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



54, 47.999, 359.819



62, 67.252, 2.608



56, 44.552, 34.848



40, 4.844, 353.314



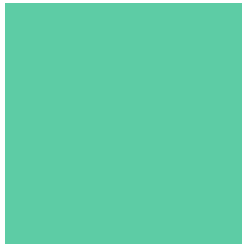
35, 62.093, 15.845



4, 18.797, 2.232

Previews

White Background



This preview shows how the CIE LCh color 75, 42.228, 166.423 looks on a white background.

Color Contrast Check

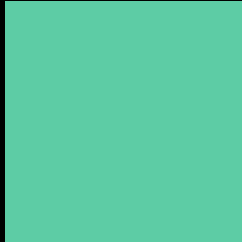
Large Text (above 18pt) WCAG AA × Fail

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, 42.228, 166.423 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, 42.228, 166.423

Background



This preview shows how black text looks on a background with the CIELCh color 75, 42.228, 166.423.

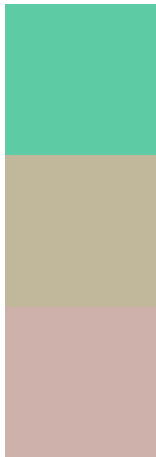


This preview shows how white text looks on a background with the CIELCh color 75, 42.228, 166.423.

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, 42.228, 166.423

Protanopia
75, 16.085, 94.371

Deuteranopia
75, 11.743, 36.146



Tritanopia
75, 27.694, 215.946

Trichromacy



Original Color
75, 42.228, 166.423



Protanomaly
74, 22.037, 144.120



Deuteranomaly
74, 12.823, 149.162



Tritanomaly
75, 30.279, 193.036

Monochromacy



Original Color
75, 42.228, 166.423



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 16.888, 171.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 42.228, 166.423 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(93, 204, 165)` looks like.

```
.text, #text, p{  
    color:rgb(93, 204, 165)  
}
```

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(93, 204, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 204, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 42.228, 166.423 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(93, 204, 165) }
```

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

```
.border{ border-color:rgb(93, 204, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 204, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 204, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 204, 165);  
box-shadow:4px 4px 4px 4px rgb(93, 204,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 42.228, 166.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 204, 165) }
```

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

```
.background{ background-color: rgb(93, 204,  
165) }
```

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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