

Converting Colors

CIELCh(75, 45.489, 168.031)

Have a look what the booklet for
CIELCh(75, 45.489, 168.031)
contains.

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Color

CIELCh(75, 45.713, 167.914)

Conversions

Conversions Part 1

Format	Color
Hex	4ECEA6
RGB	78, 206, 166
RGB Percent	31%, 81%, 65%
CMY	0.6960, 0.1938, 0.3506
CMYK	0.62, 0.00, 0.19, 0.19
HSL	161°, 56%, 56%
HSV	161°, 62%, 81%
XYZ	31.9190, 48.2781, 43.5212
YIQ	163.1680, -63.4480, -39.5760

Conversions

Conversions Part 2

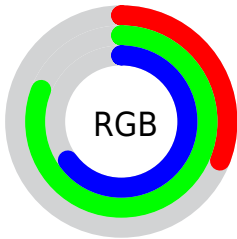
Format	Color
RYB	78, 154, 206
Decimal	5164710
CIELab	75.00, -44.70, 9.57
CIELCh	75, 45.713, 167.914
Yxy	48.2781, 0.2580, 0.3902
Android (android.graphics.Color)	4283354790 (0xFF4ECEA6)
YUV	163.1680, 1.3962, -74.6923
Hunter-Lab	69.4824, -39.5946, 11.5007

Details

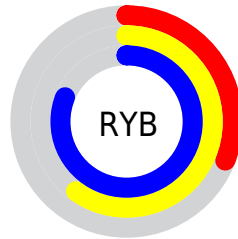
The CIELCh color **75, 45.713, 167.914** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **52, 54.219, 4.657**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 41.252, 171.574**, and **55, 44.333, 166.873** is the 20% darker color. If you saturate the color by 10%, you get **74, 50.917, 166.267**, and if you desaturate by 10%, it is **76, 39.715, 169.385**.

Distribution



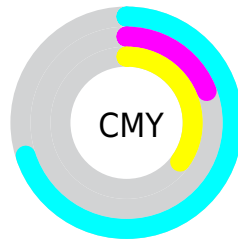
- Red (31%)
- Green (81%)
- Blue (65%)



- Red (31%)
- Yellow (60%)
- Blue (81%)



- Cyan (62%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (70%)
- Magenta (19%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 45.713, 167.914 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, 45.713, 167.914 by changing the saturation by 10% instead.


 75, 45.713,
167.914


 75, 45.713,
167.914


 100, 45.713,
167.914


 65, 45.713,
167.914


 95, 45.713,
167.914

 55, 45.713,
167.914

 45, 45.713,
167.914

 35, 45.713,
167.914

 25, 45.713,
167.914

 15, 45.713,
167.914

 5, 45.713, 167.914

0, 45.713, 167.914

75, 45.713,
167.914

75, 45.713,
167.914

74, 50.917,
166.267

76, 39.715,
169.385

74, 55.279,
164.427

77, 33.020,
170.707

74, 58.824,
162.384

78, 25.754,
171.906

73, 61.149,
160.728

79, 18.056,
173.003

81, 10.058,
174.029

82, 1.882, 175.170

■ 84, 6.369, 355.711

■ 86, 14.614,
356.578

■ 87, 20.265,
353.868

Harmonies

Complementary

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



75, 45.713, 167.914



52, 54.219, 4.657

Rectangle

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



75, 45.713, 167.914



75, 45.713, 217.914



75, 45.713, 347.914



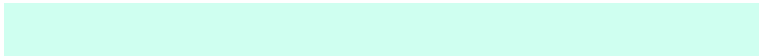
75, 45.713, 37.914

Sweetspot

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



75, 45.714, 167.913



96, 18.396, 173.322



75, 72.935, 132.149



51, 12.617, 173.020



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, 45.714, 167.913



90, 61.881, 165.619



69, 31.055, 222.193



42, 4.622, 174.321



60, 51.793, 161.095



12, 17.777, 166.459

Inverse Universe

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



52, 54.219, 4.657



58, 74.852, 9.005



55, 51.146, 39.430



40, 4.743, 355.948



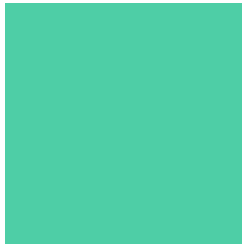
35, 63.006, 19.495



4, 18.604, 4.286

Previews

White Background



This preview shows how the CIE LCh color 75, 45.713, 167.914 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, 45.713, 167.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

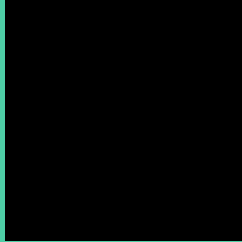
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

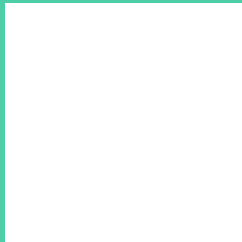
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 45.713, 167.914

Background



This preview shows how black text looks on a background with the CIELCh color 75, 45.713, 167.914.

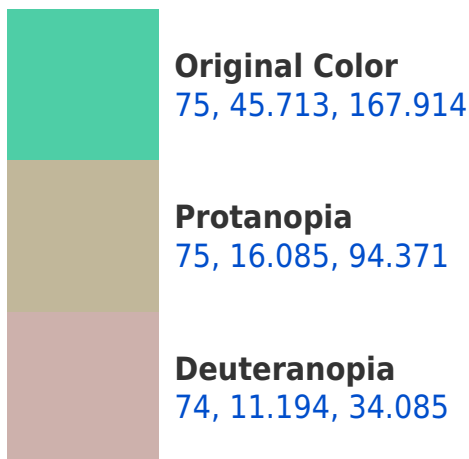


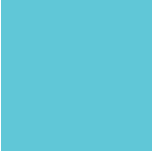
This preview shows how white text looks on a background with the CIELCh color 75, 45.713, 167.914.

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





Tritanopia
75, 30.590, 213.949

Trichromacy



Original Color
75, 45.713, 167.914



Protanomaly
74, 23.413, 148.230



Deuteranomaly
73, 13.975, 157.156

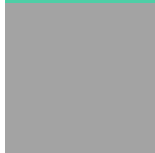


Tritanomaly
75, 33.508, 193.209

Monochromacy



Original Color
75, 45.713, 167.914



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 18.434, 173.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 45.713, 167.914 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(78, 206, 166)` looks like.

```
.text, #text, p{  
    color:rgb(78, 206, 166)  
}
```

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(78, 206, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 206, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 45.713, 167.914 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(78, 206, 166) }
```

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

```
.border{ border-color:rgb(78, 206, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 206, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 206, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 206, 166);  
box-shadow:4px 4px 4px 4px rgb(78, 206,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 45.713, 167.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 206, 166) }
```

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

```
.background{ background-color: rgb(78, 206,  
166) }
```

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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